

COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
 5ND LANTDIV 4-11010/6 (NEW 2-79)

DATE

3 APR 1980

1. ACTIVITY (Name and Location)

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

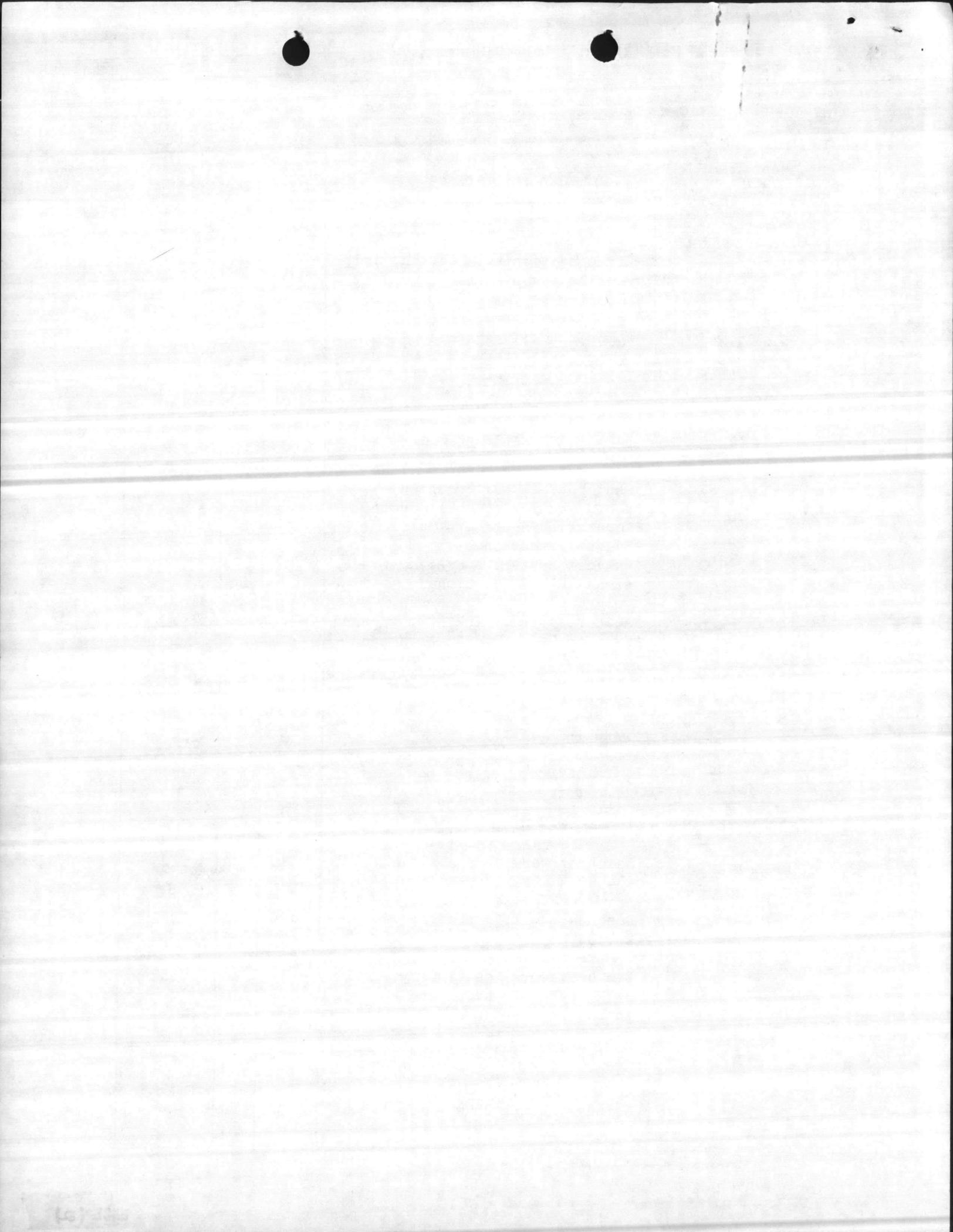
2. PROJECT TITLE

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

P. NO.

P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
<p>1. <u>BUILT-IN EQUIPMENT TO BE MCON FUNDED</u></p> <p><i>6 rooms</i></p> <p><i>2 rooms</i></p>	*Air-conditioning, heating, and ventilating systems		EA		
	*Plumbing system		EA		
	*Steam system (interior)		EA		
	*Compressed air system		EA		
	*Sprinkler system		EA		
	*Telephone, intercom & fire alarm system		EA		
	*Drinking water coolers		EA		
	*Crane, overhead - 5 ton capacity		EA		
	*Lockers		EA		
	*Locker-room benches, 6' long		EA		
	*Chalkboards, wall mounted		EA		
	*Board, bulletin, wall mounted		EA		
	*Counter, dispatchers		EA		
	*Blinds, Venetian		EA		
	*Exhaust system, overhead, fractional HP, 208V, 3 phase		EA		
*Deluge shower, w/eye wash, CW		EA			
*Acid resistant sink, CW, w/bench		EA			
*Exhaust hood (over) w/fraction HP, 120V, 1 phase fan		EA			
*Grounding system, electronic		EA			
*Pass window, 4' wide, w/counter & "B" label roll down shutter w/fusible link		EA			
*60/400 cycle electrical system with AC/DC power bus bar and transformers		EA			
*Equipment with associated installation cost.					
<p>2. <u>EXPENSE ITEMS</u></p> <p><i>2 rooms</i></p>	Benches, work, portable 48"x28" x34"H	15	EA	225	3,375
	Benches, work, portable, 72"x28"x34"H	10	EA	281	2,810
	Benches, work, stationary, 28"Dx 34"H, stl top, std, lead covered in battery shop	14	EA	352	4,928
	Parts bins, adj shelving, 14"x24"D	5	EA	132	660
	Grinder, bench 7" w/buffer wheel	1	EA	424	424



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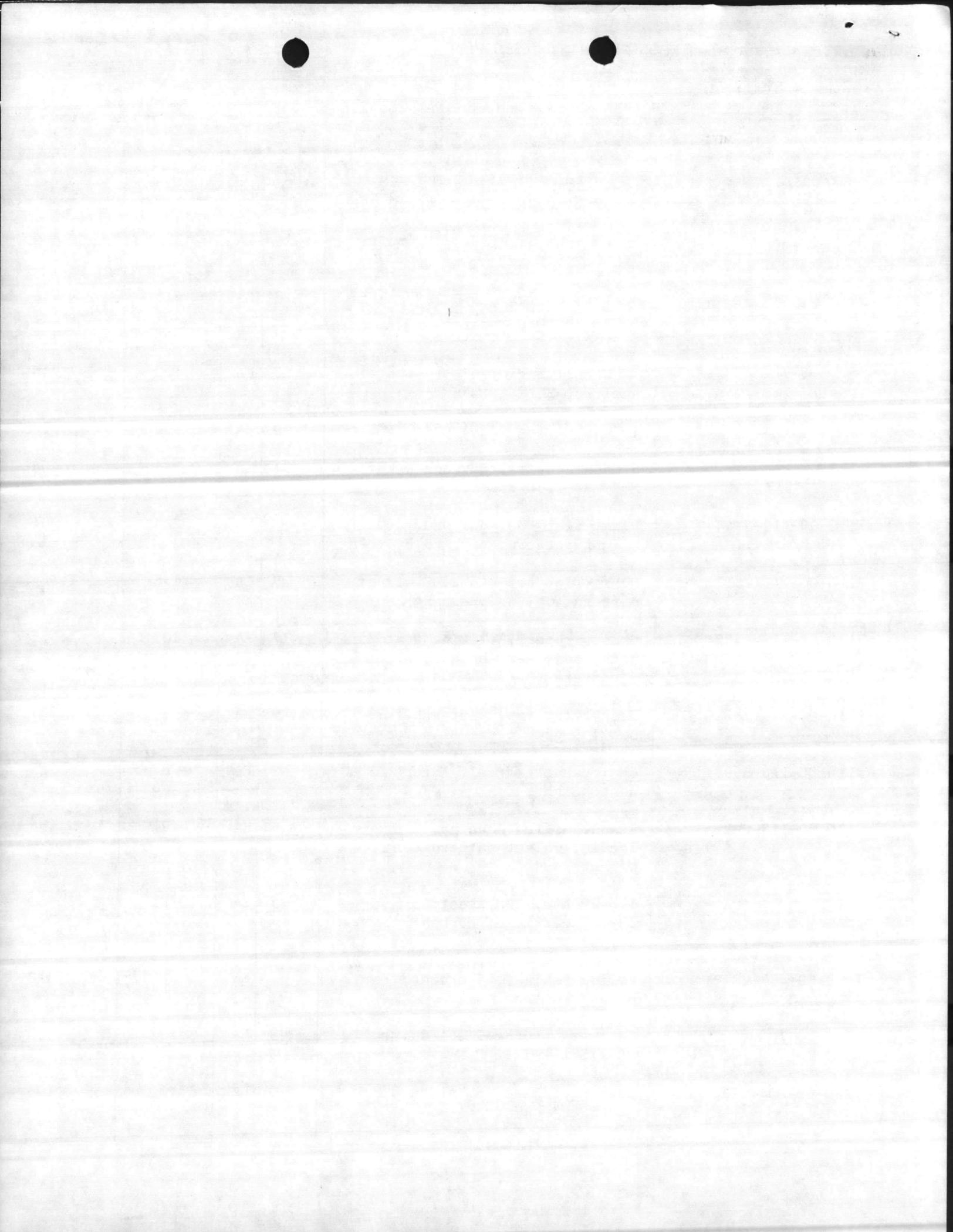
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	Parts rota bins, 3' dia. multi bin	10	EA	380	3,800
	Battery charger, 6 & 12V selenium type; battery tester, 6 & 12V, 2.2 KW, 208V	3	EA	616	1,848
	12"W shelving w/adj stds. 6 shelves, 36"W & 84"H	20	EA	100	2,000
	14"W shelving w/adj stds	20	EA	176	3,520
	Student chairs, Heywood Wakefield Mod. HC-7730-PABS-PP	32	EA	44	1,408
7110-00-113-2744	Desk, flat top, dbl ped, 60"x30", walnut pattern, top, no overhang	3	EA	248	744
7110-00-113-2817	Desk, flat top, 45"x30" walnut pattern top, no overhang	9	EA	176	1,584
7110-00-113-9482	Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	17	EA	103	1,751
7110-00-113-2832	Desk, flat top, w/attach for sec'l & gen. clerical purposes	9	EA	193	1,737
7110-00-118-8998	Chair, secretarial, rotary adj. seat height, w/arms, w/casters	9	EA	87	783
7110-00-113-0921	Stand, office machine, 2 drop leaves, walnut pattern top, w/casters	5	EA	91	455
	Typewriter, IBM electric 13-12" carriage, carbon ribbon, 10 pitch Model 833	5	EA	781	3,905
7110-00-497-2012	Filing cabinet, 5 drawer, legal size, w/o lock	7	EA	230	1,610
7125-00-764-6121	Cabinet, storage, dbl door, 36"x18"x80-1/16"H	9	EA	152	1,368
7110-00-004-6764	Bookcase, base, 33"x13"x10"H	10	EA	14.30	143



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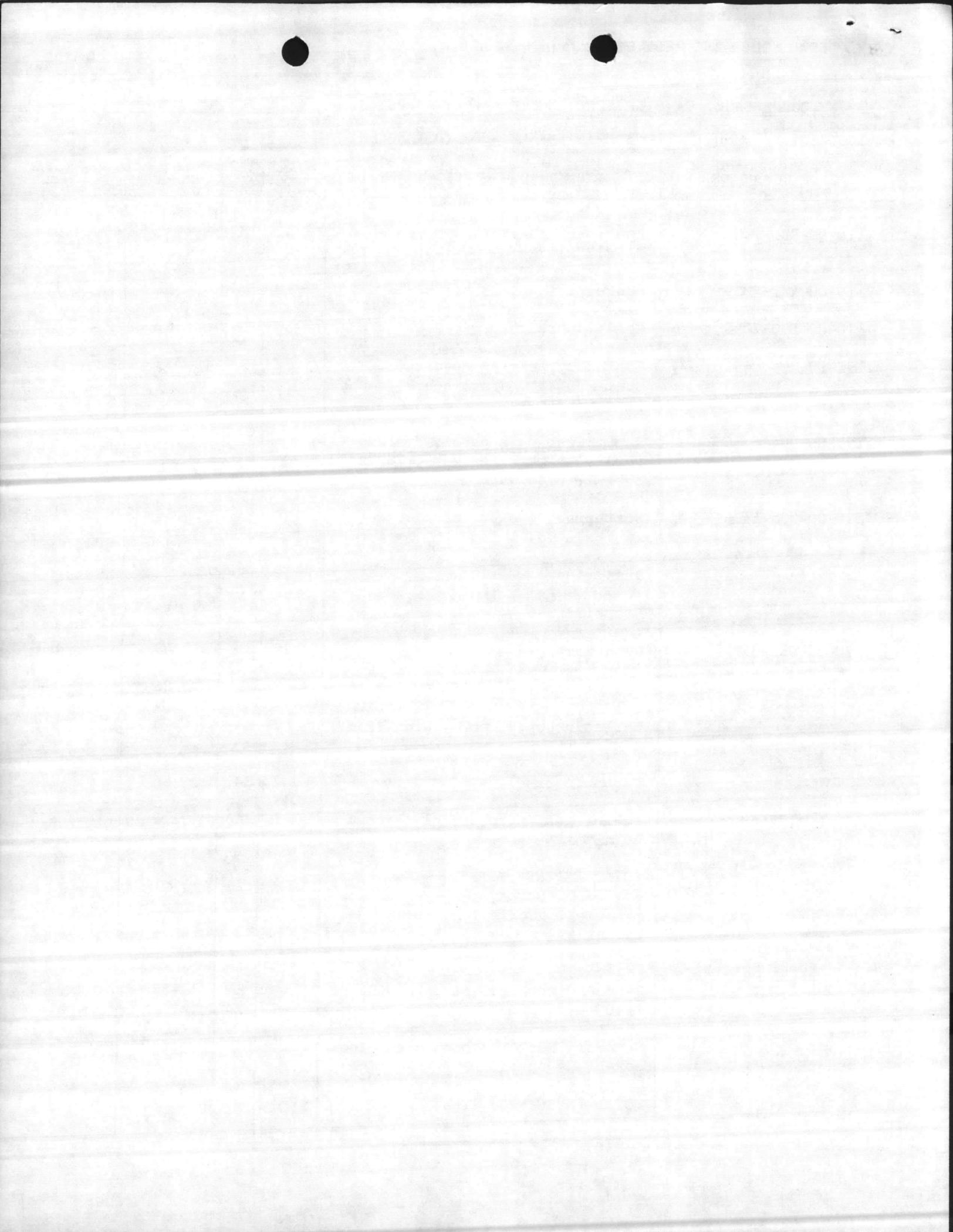
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7110-00-471-4039	Bookcase, top, 33"x13"x2½"H	10	EA	12	120
7110-00-190-7085	Chair, straight, w/o arms	50	EA	61	3,050
7195-00-004-0652	Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	39	468
7195-00-004-6716	Rack, wearing apparel, contem- porary, 6 metal hangers, 78"Hx 30"Lx20"D at base	5	EA	44	220
7520-00-285-5416	Wastepaper basket, dark brown, 14½"Hx13" dia. top	20	EA	5.50	110
	Draperies	9	PR	72	648
	Draperies	4	PR	83	332
6230-00-682-3423	Desk lamp	20	EA	43	860
	Adding machine, Monroe Model 1405	5	EA	286	1,430
	Bulletin board, cork, alum frame, 4'x6'	7	EA	73	511
	Portable easel	2	EA	66	132
7110-00-177-4902	Table, gen. purpose (classroom) 60"x30"x29½"H	7	EA	115	805
	TOTAL EXPENSE ITEMS				\$48,883
	Shipping, packing, handling, installation charges & contingencies - 10%				4,888
3. <u>INVESTMENT ITEMS</u>					
	Benches, work, electronic, 60 cyc & 400 cyc. 28V	15	EA	1,452	21,780
	Security Rack for Mechanics' tool boxes, 24 openings	4	EA	3,168	12,672
	TOTAL INVESTMENT ITEMS				\$34,452



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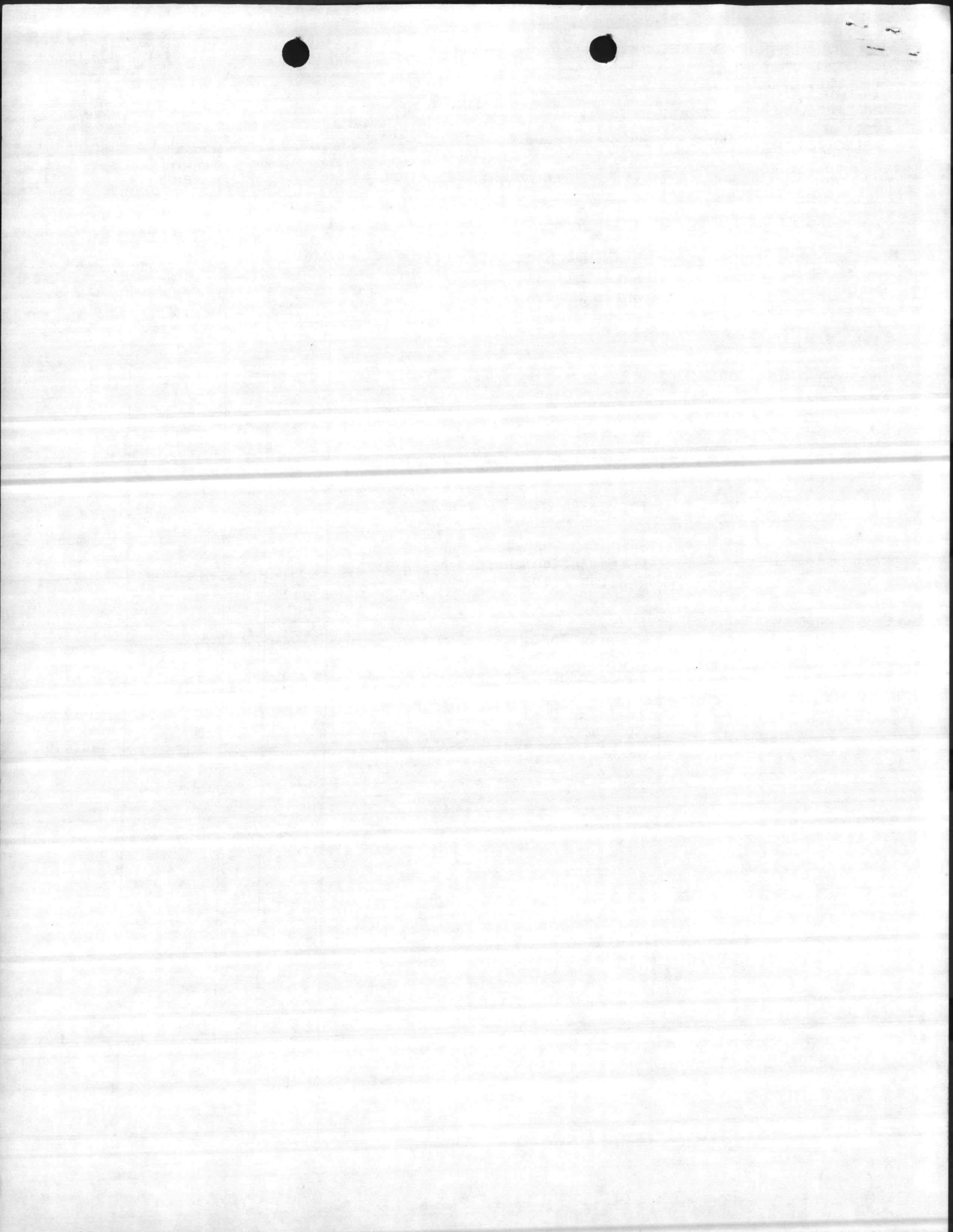
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3. <u>INVESTMENT ITEMS</u> (continued...)	Shipping, packing, handling, installation charges & contingencies - 10%				\$3,445
4. <u>APA EQUIPMENT</u>	None				
5. <u>TRAINING EQUIPMENT</u>	Movie projector	2	EA	693	1,386
	Movie screen	2	EA	132	264
	Overhead projector	2	EA	453	<u>906</u>
	TOTAL TRAINING EQUIPMENT				\$2,556
	Shipping, packing, handling, installation charges & contin- gencies - 10%				255
6. <u>SUMMARY</u>	Expense Cost				\$53,771
	Investment Cost				\$37,897
	Training Cost				<u>\$ 2,811</u>
	GRAND TOTAL				\$94,479



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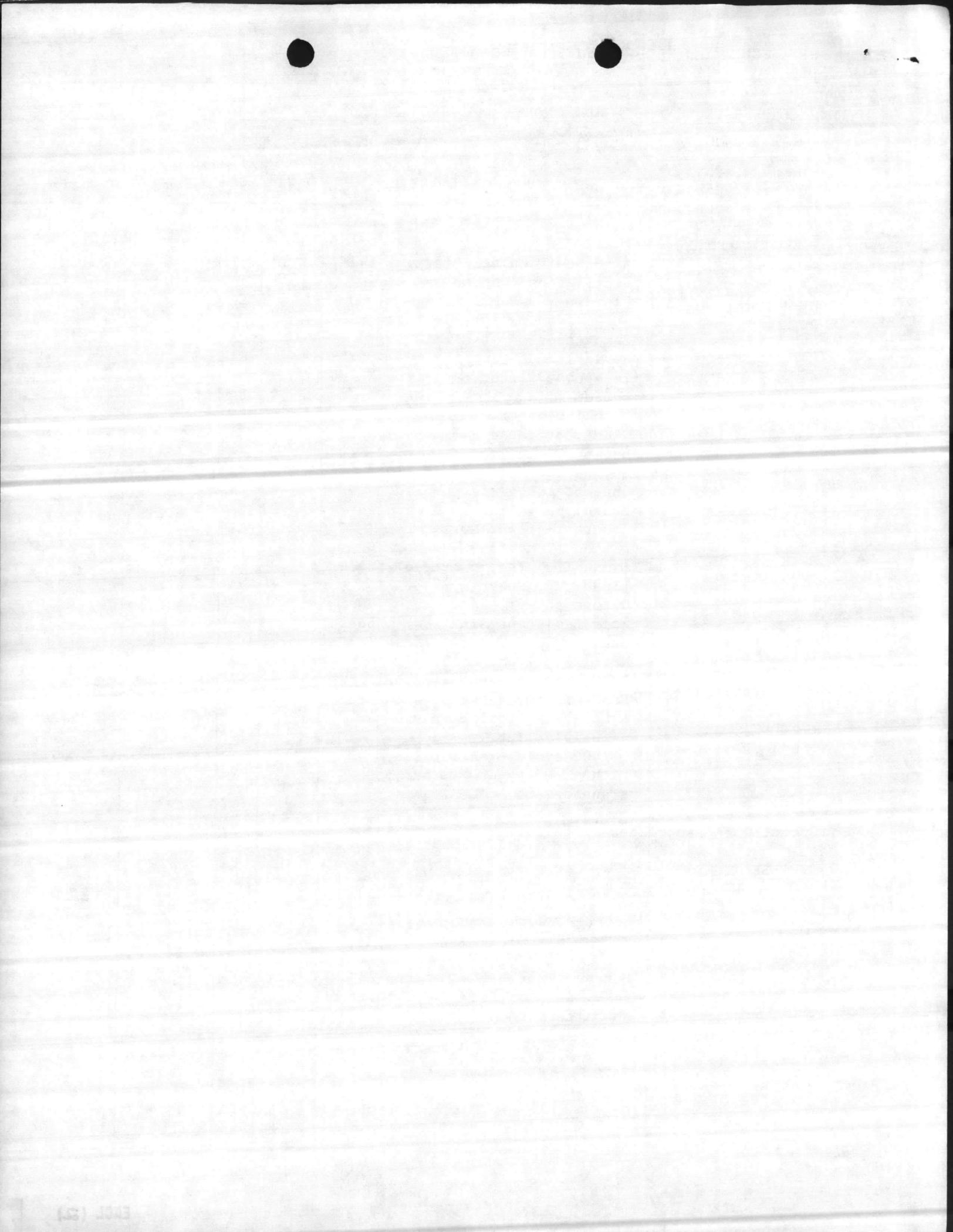
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	*Sprinkler system		EA		
	*Telephone, intercom & fire alarm system		EA		
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	*Board, bulletin, wall mounted		EA		
	*Counter, dispatchers		EA		
	*Blinds, Venetian		FA		
	*Exhaust system, overhead, fractional HP, 208V, 3 phase		EA		
	*Deluge shower, w/eye wash, CW		EA		
	*Acid resistant sink, CW, w/bench		EA		
	*Exhaust hood (over) w/fraction HP, 120V, 1 phase fan		EA		
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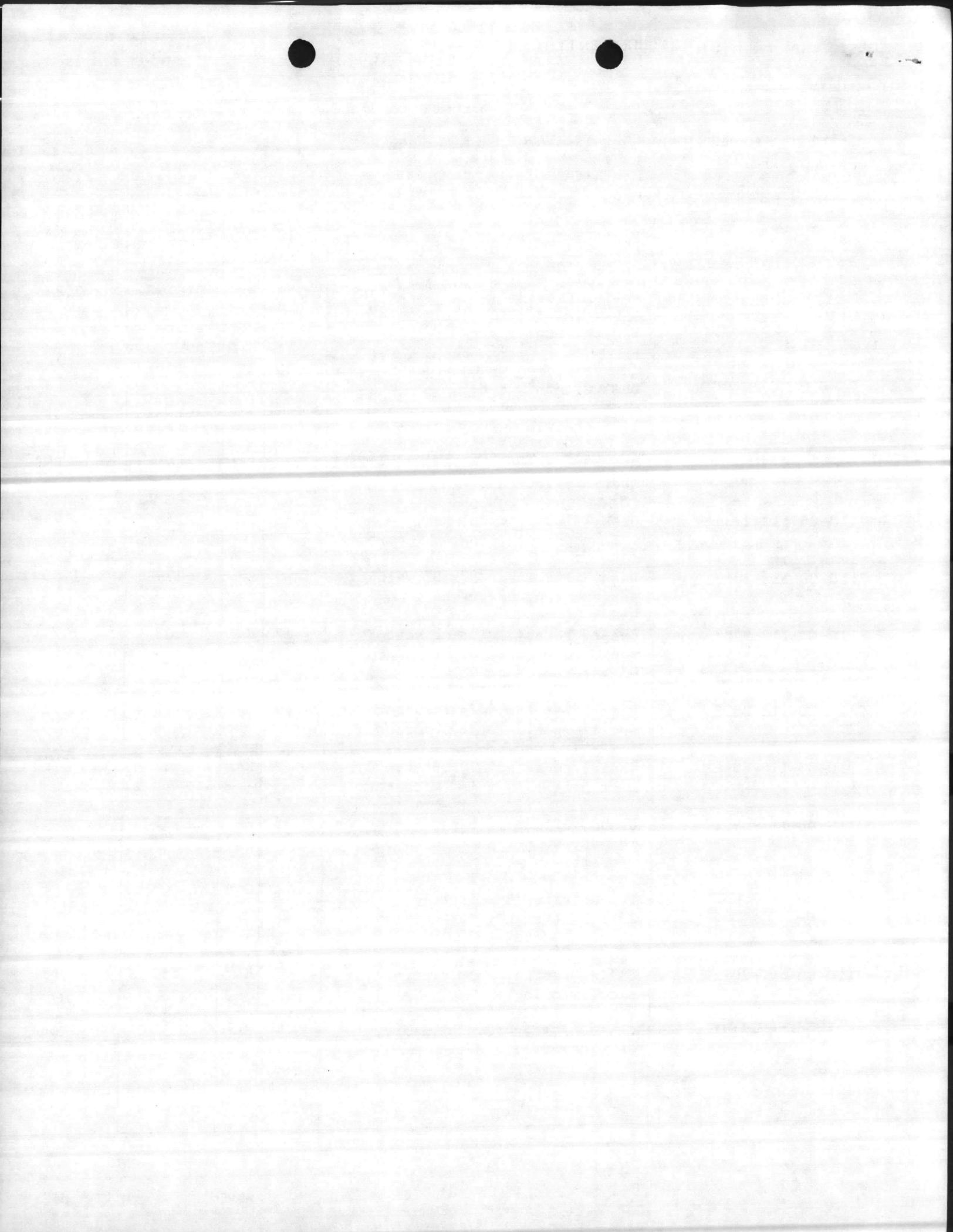
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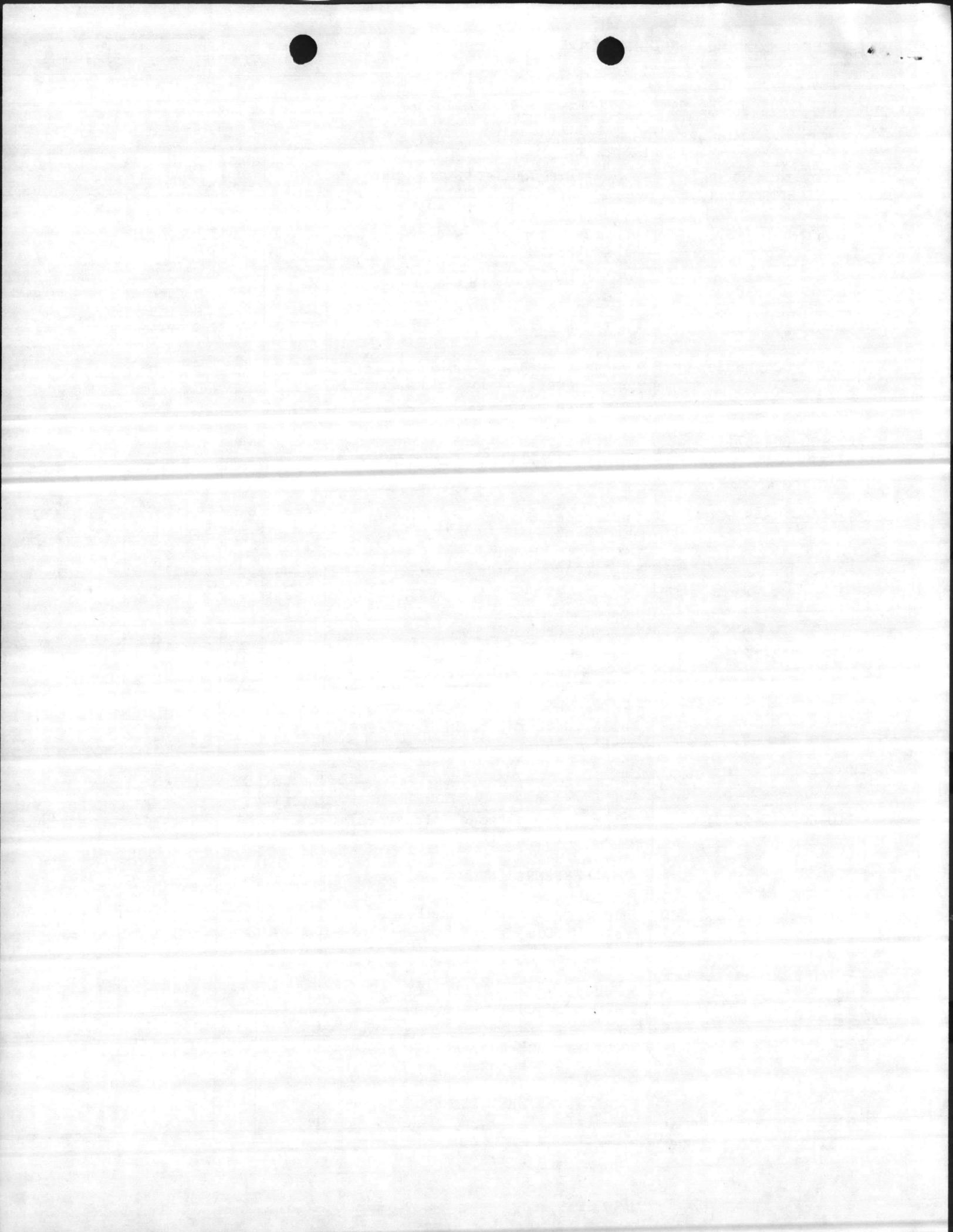
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	TOTAL EXPENSE ITEMS				\$48,883
	Shipping, packing, handling, installation charges & contingencies - 10%				4,888
3. <u>INVESTMENT ITEMS</u>	Benches, work, electronic, 60 cyc & 400 cyc. 28V	15	EA	1,452	21,780
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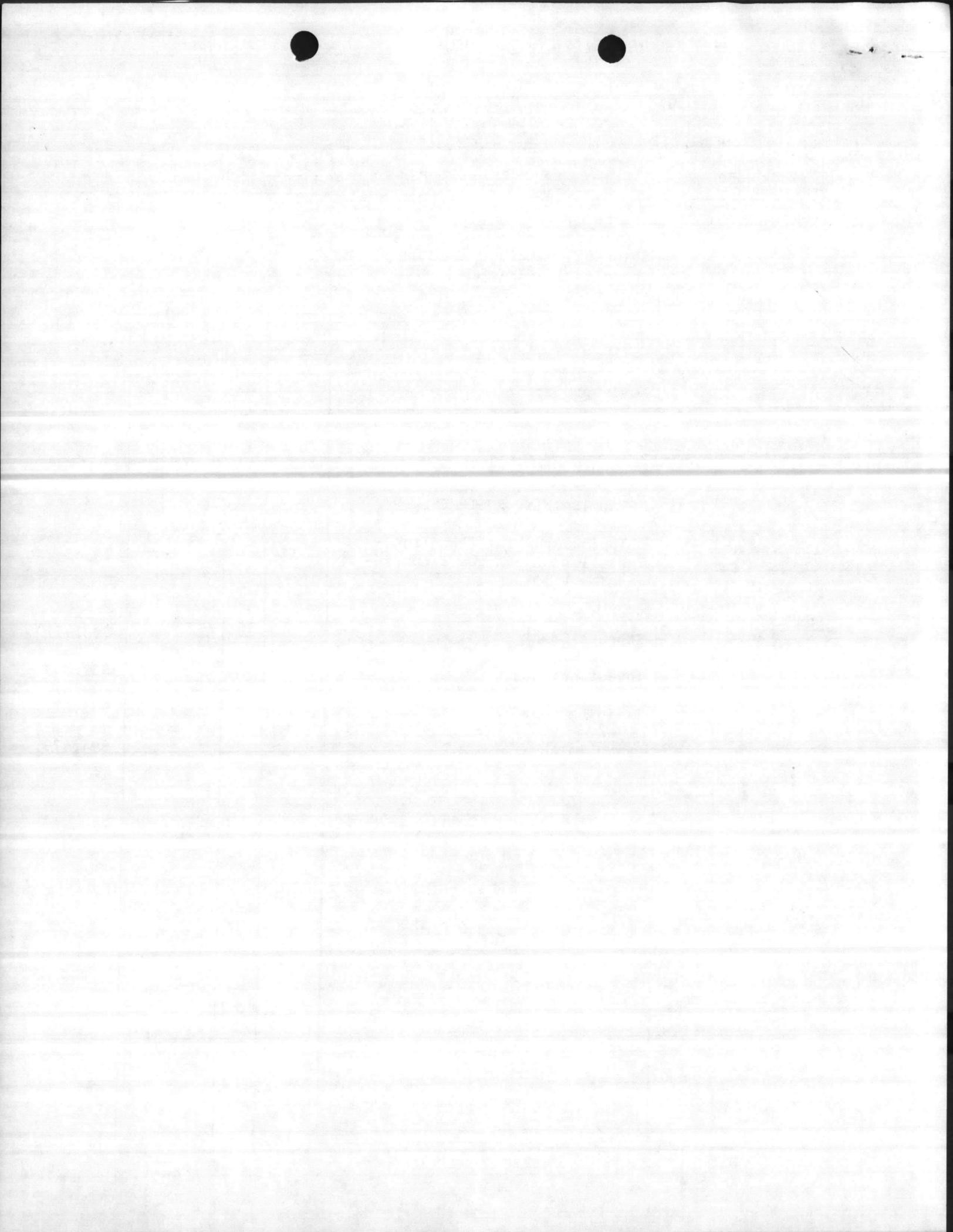
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6. <u>SUMMARY</u>	Expense Cost				\$53,771
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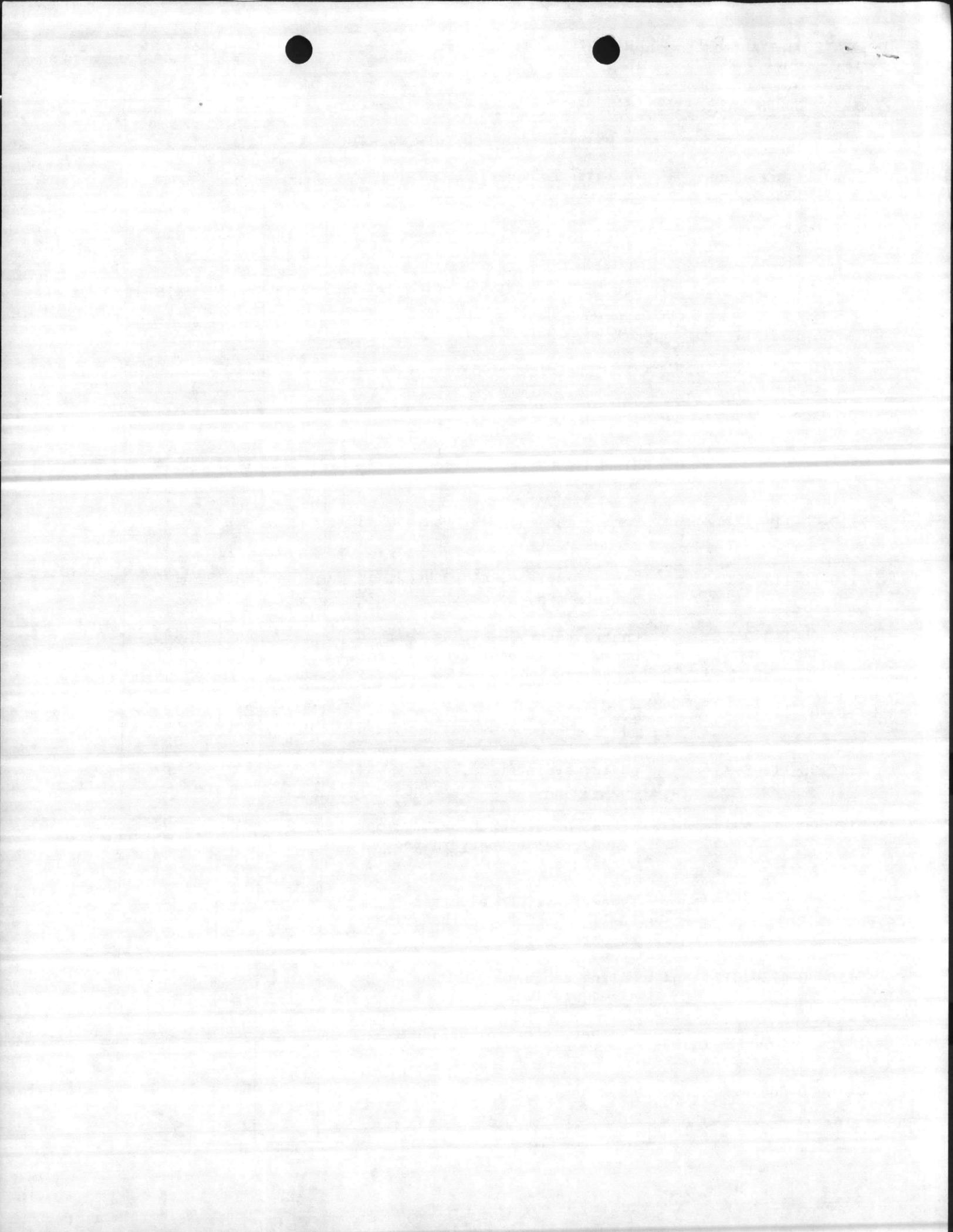
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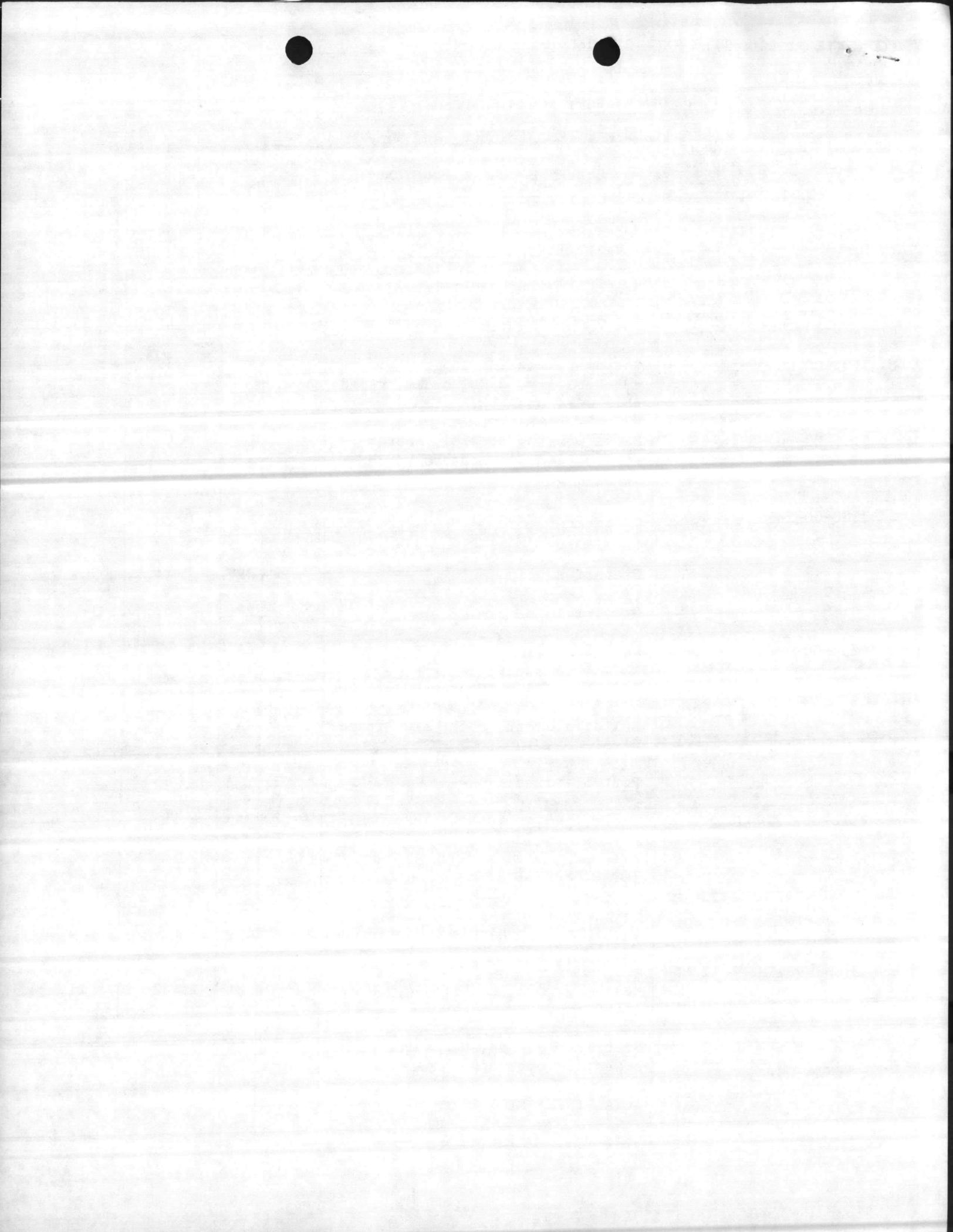
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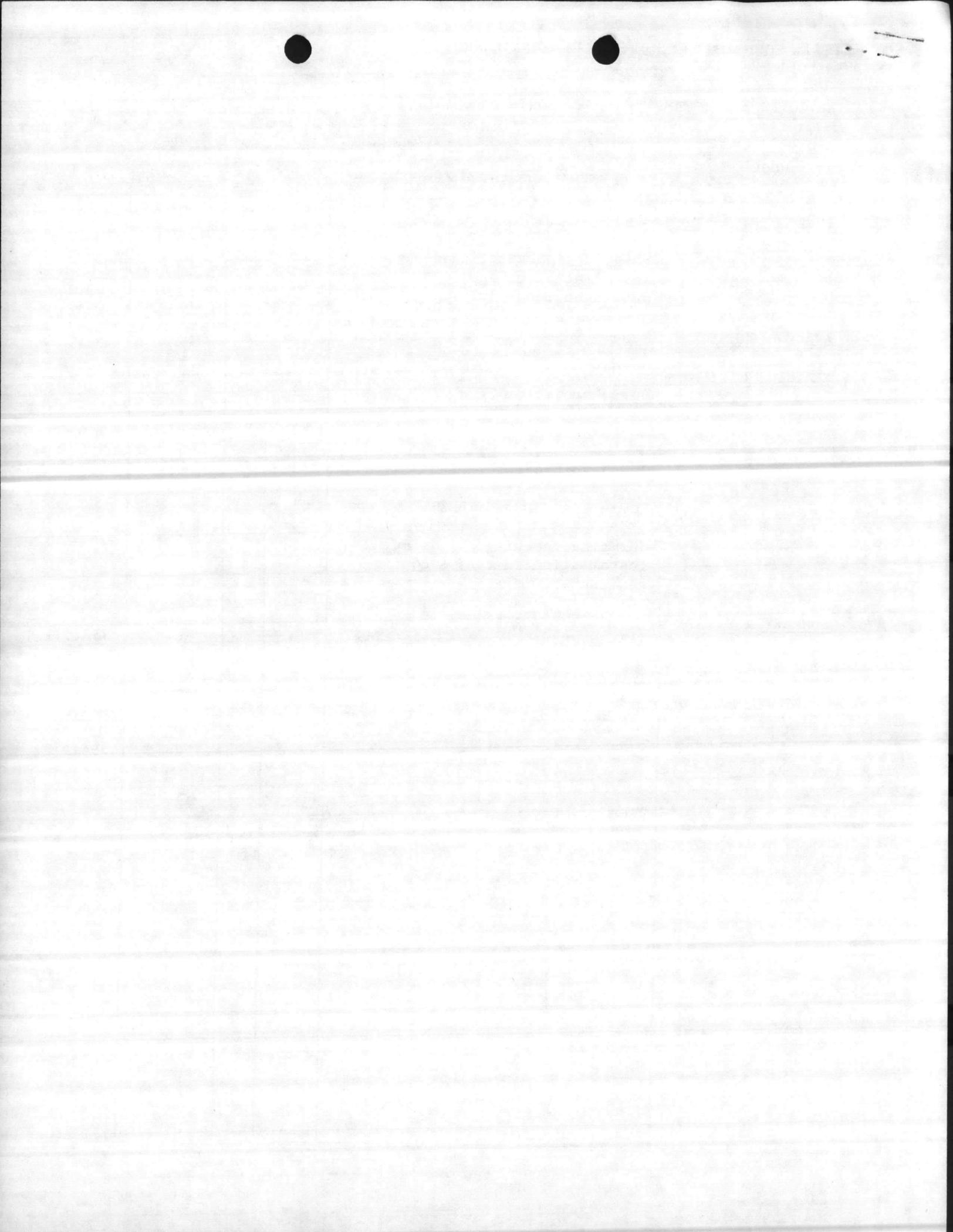
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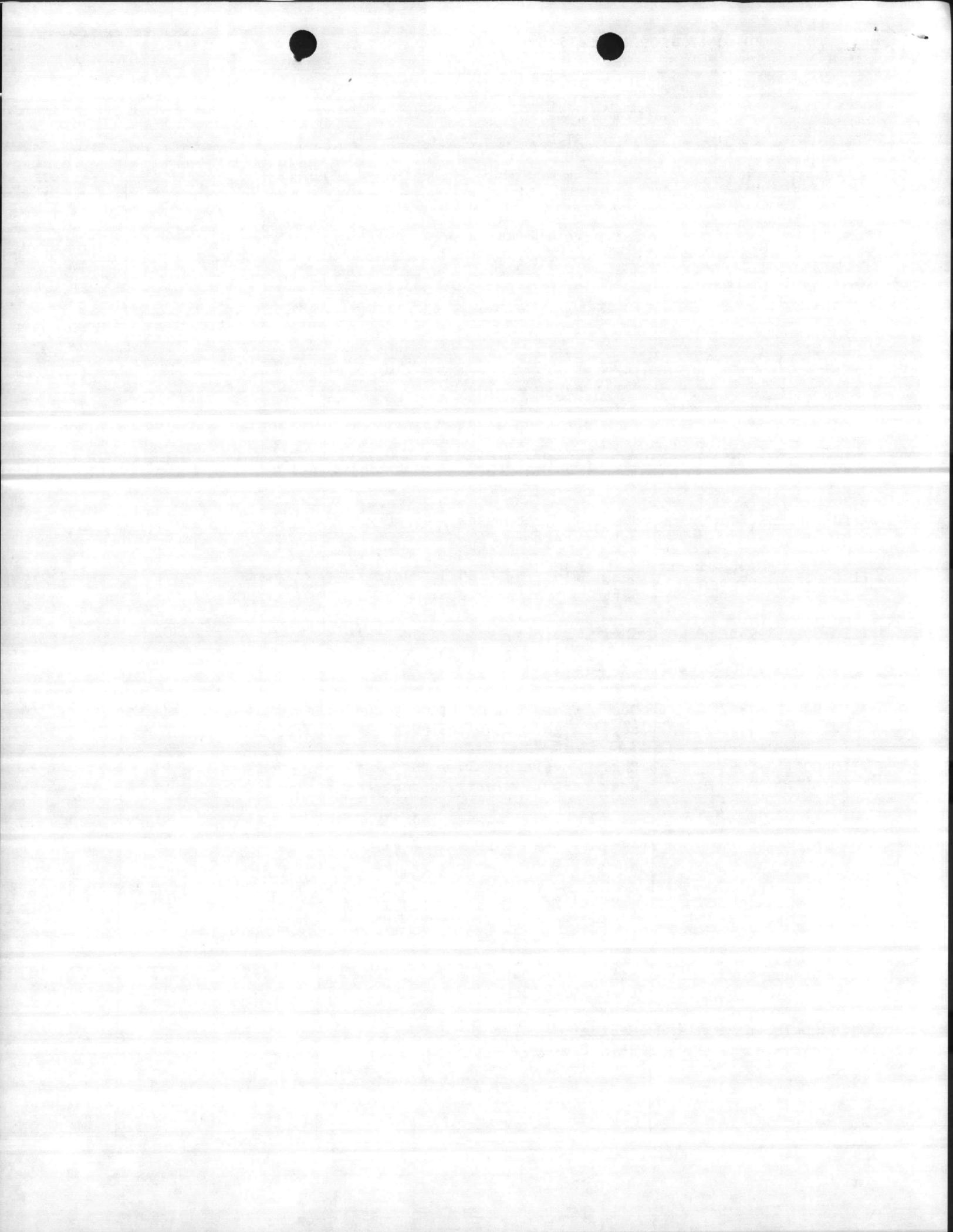
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	12"W shelving w/adj stds. 6 shelves, 36"W & 84"H	20	EA	100	2,000
	14"W shelving w/adj stds	20	EA	176	3,520
	Student chairs, Heywood Wakefield Mod. HC-7730-PABS-PP	32	EA	44	1,408
7110-00-113-2744	Desk, flat top, dbl ped, 60"x30", walnut pattern, top, no overhang	3	EA	248	744
7110-00-113-2817	Desk, flat top, 45"x30" walnut pattern top, no overhang	9	EA	176	1,584
7110-00-113-9482	Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	17	EA	103	1,751
7110-00-113-2832	Desk, flat top, w/attach for sec'l & gen. clerical purposes	9	EA	193	1,737
7110-00-118-8998	Chair, secretarial, rotary adj. seat height, w/arms, w/casters	9	EA	87	783
7110-00-113-0921	Stand, office machine, 2 drop leaves, walnut pattern top, w/casters	5	EA	91	455
	Typewriter, IBM electric 13-12" carriage, carbon ribbon, 10 pitch Model 833	5	EA	781	3,905
7110-00-497-2012	Filing cabinet, 5 drawer, legal size, w/o lock	7	EA	230	1,610
7125-00-764-6121	Cabinet, storage, dbl door, 36"x18"x80-1/16"H	9	EA	152	1,368
7110-00-004-6764	Bookcase, base, 33"x13"x10"H	10	EA	14.30	143



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
 5ND LANTDIV 4-11010/6 (NEW 2-79)

DATE 3 APR 1980

1. ACTIVITY (Name and Location)

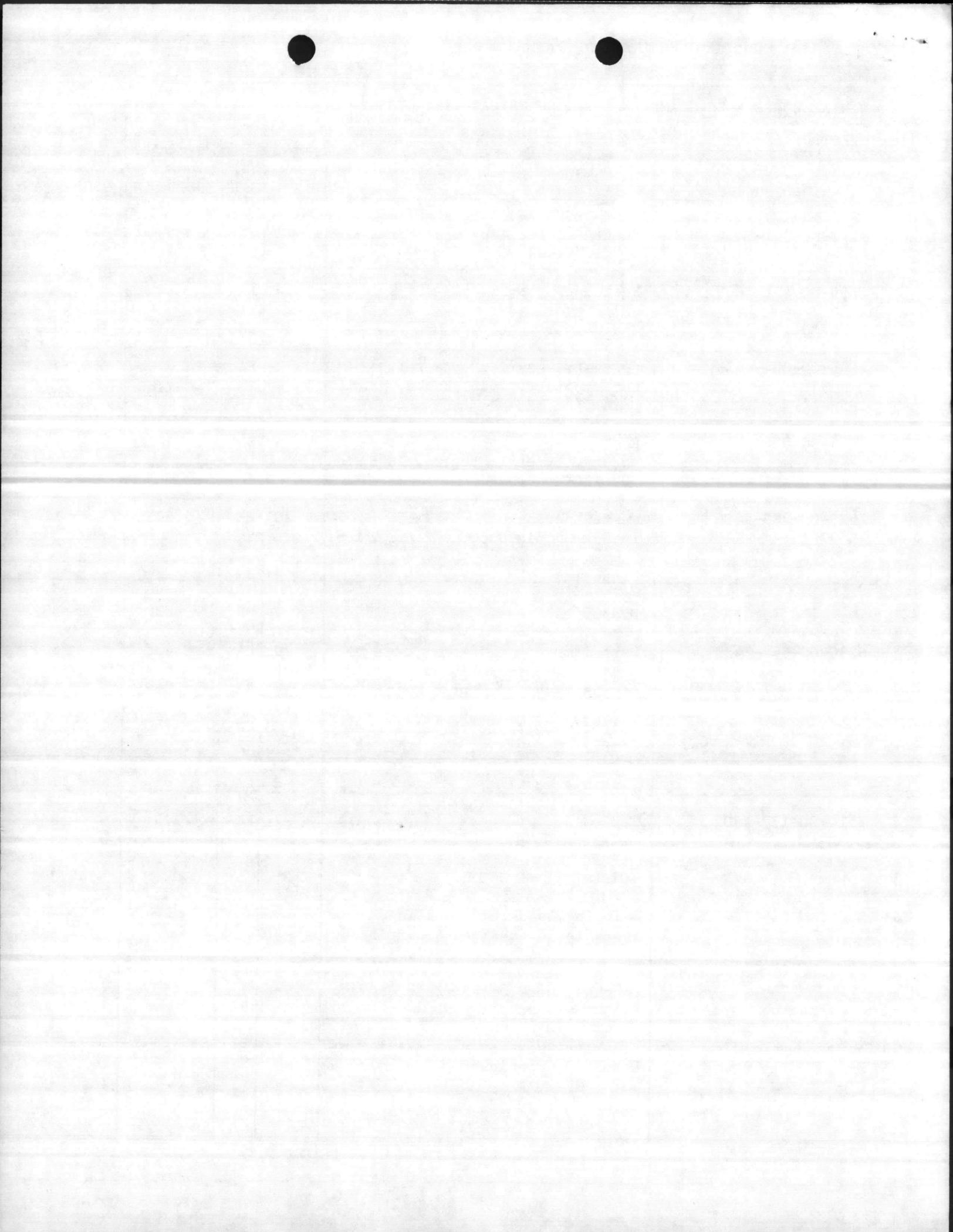
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

P. NO.
P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
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7110-00-471-4039	Bookcase, top, 33"x13"x2½"H	10	EA	12	120
7110-00-190-7085	Chair, straight, w/o arms	50	EA	61	3,050
7195-00-004-0652	Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	39	468
7195-00-004-6716	Rack, wearing apparel, contem- porary, 6 metal hangers, 78"Hx 30"Lx20"D at base	5	EA	44	220
7520-00-285-5416	Wastepaper basket, dark brown, 14½"Hx13" dia. top	20	EA	5.50	110
	Draperies	9	PR	72	648
	Draperies	4	PR	83	332
6230-00-682-3423	Desk lamp	20	EA	43	860
	Adding machine, Monroe Model 1405	5	EA	286	1,430
	Bulletin board, cork, alum frame, 4'x6'	7	EA	73	511
	Portable easel	2	EA	66	132
7110-00-177-4902	Table, gen. purpose (classroom) 60"x30"x29½"H	7	EA	115	805
	TOTAL EXPENSE ITEMS				\$48,883
	Shipping, packing, handling, installation charges & contingencies - 10%				4,888
3. <u>INVESTMENT ITEMS</u>	Benches, work, electronic, 60 cyc & 400 cyc. 28V	15	EA	1,452	21,780
	Security Rack for Mechanics' tool boxes, 24 openings	4	EA	3,168	12,672
	TOTAL INVESTMENT ITEMS				\$34,452

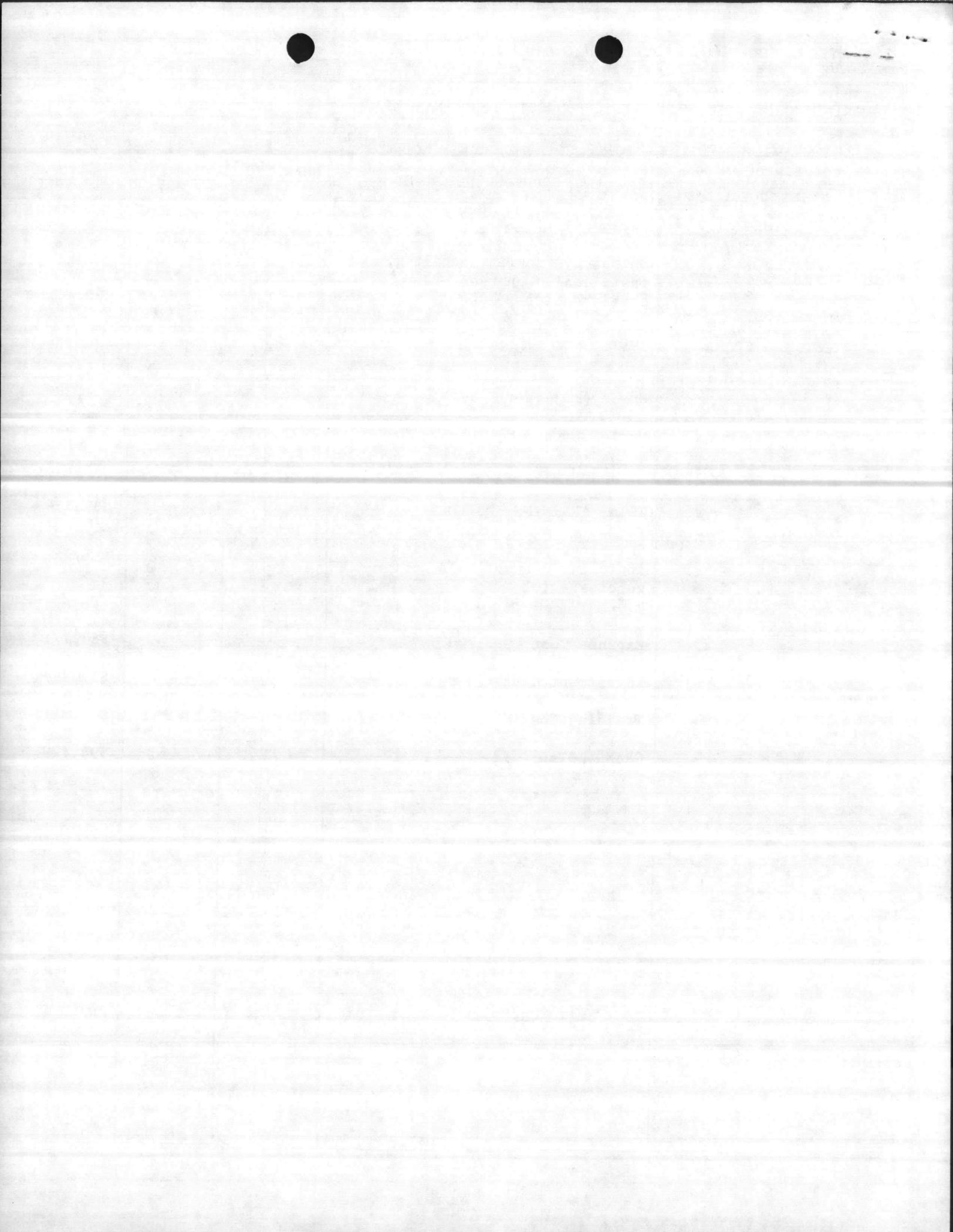


1. ACTIVITY (Name and Location)
 MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

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 ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

P. NO.
 P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
3. <u>INVESTMENT ITEMS</u> (continued...)	Shipping, packing, handling, installation charges & contingencies - 10%				\$3,445
4. <u>APA EQUIPMENT</u>	None				
5. <u>TRAINING EQUIPMENT</u>	Movie projector	2	EA	693	1,386
	Movie screen	2	EA	132	264
	Overhead projector	2	EA	453	906
	TOTAL TRAINING EQUIPMENT				\$2,556
	Shipping, packing, handling, installation charges & contin- gencies - 10%				255
6. <u>SUMMARY</u>	Expense Cost				\$53,771
	Investment Cost				\$37,897
	Training Cost				\$ 2,811
	GRAND TOTAL				\$94,479





COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)

5ND LANTDIV 4-11010/6 (NEW 2-79)

DATE

3 APR 1980

1. ACTIVITY (Name and Location)

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

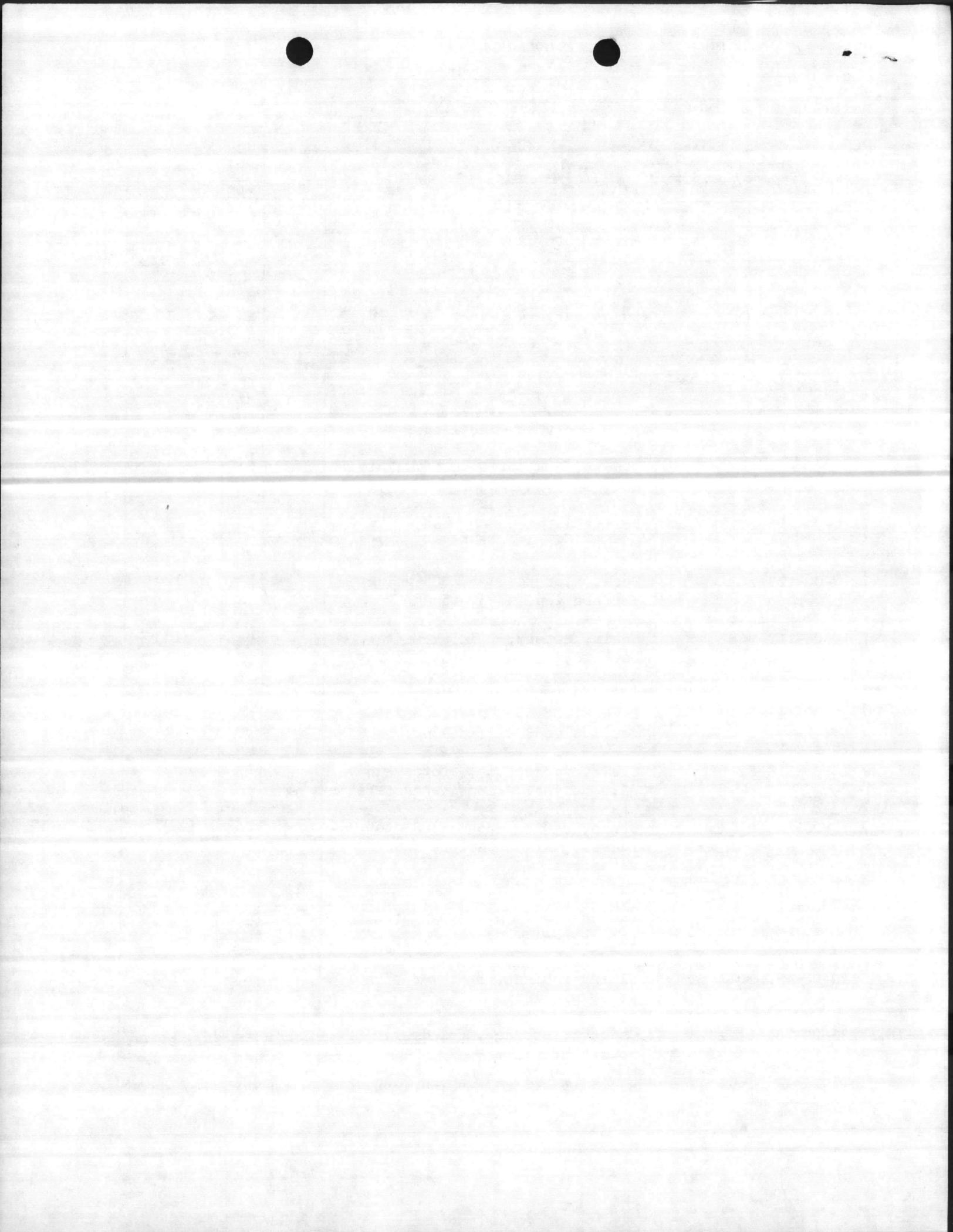
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ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

P. NO.

P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
	Parts rota bins, 3' dia. multi bin	10	EA	380	3,800
	Battery charger, 6 & 12V selenium type; battery tester, 6 & 12V, 2.2 KW, 208V	3	EA	616	1,848
	12"W shelving w/adj stds. 6 shelves, 36"W & 84"H	20	EA	100	2,000
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7125-00-764-6121	Cabinet, storage, dbl door, 36"x18"x80-1/16"H	9	EA	152	1,368
7110-00-004-6764	Bookcase, base, 33"x13"x10"H	10	EA	14.30	143



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)

SND LANTDIV 4-11010/6 (NEW 2-79)

DATE 3 APR 1980

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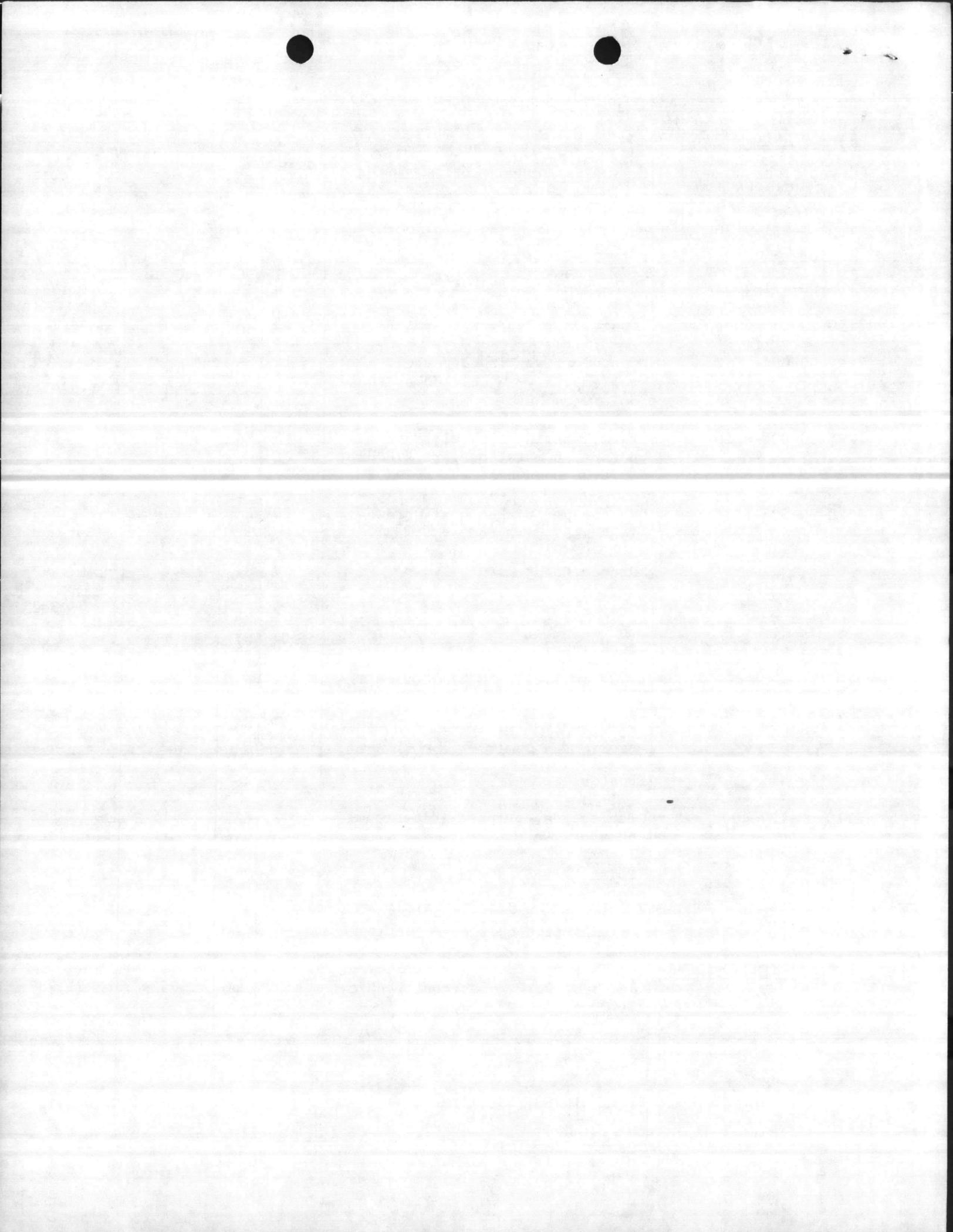
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

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P-175

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7195-00-004-0652	Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	39	468
7195-00-004-6716	Rack, wearing apparel, contem- porary, 6 metal hangers, 78"Hx 30"Lx20"D at base	5	EA	44	220
7520-00-285-5416	Wastepaper basket, dark brown, 14½"Hx13" dia. top	20	EA	5.50	110
	Draperies	9	PR	72	648
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	Bulletin board, cork, alum frame, 4'x6'	7	EA	73	511
	Portable easel	2	EA	66	132
7110-00-177-4902	Table, gen. purpose (classroom) 60"x30"x29½"H	7	EA	115	805
	TOTAL EXPENSE ITEMS				\$48,883
	Shipping, packing, handling, installation charges & contingencies - 10%				4,888
3. INVESTMENT ITEMS					
	Benches, work, electronic, 60 cyc & 400 cyc. 28V	15	EA	1,452	21,780
	Security Rack for Mechanics' tool boxes, 24 openings	4	EA	3,168	12,672
	TOTAL INVESTMENT ITEMS				\$34,452



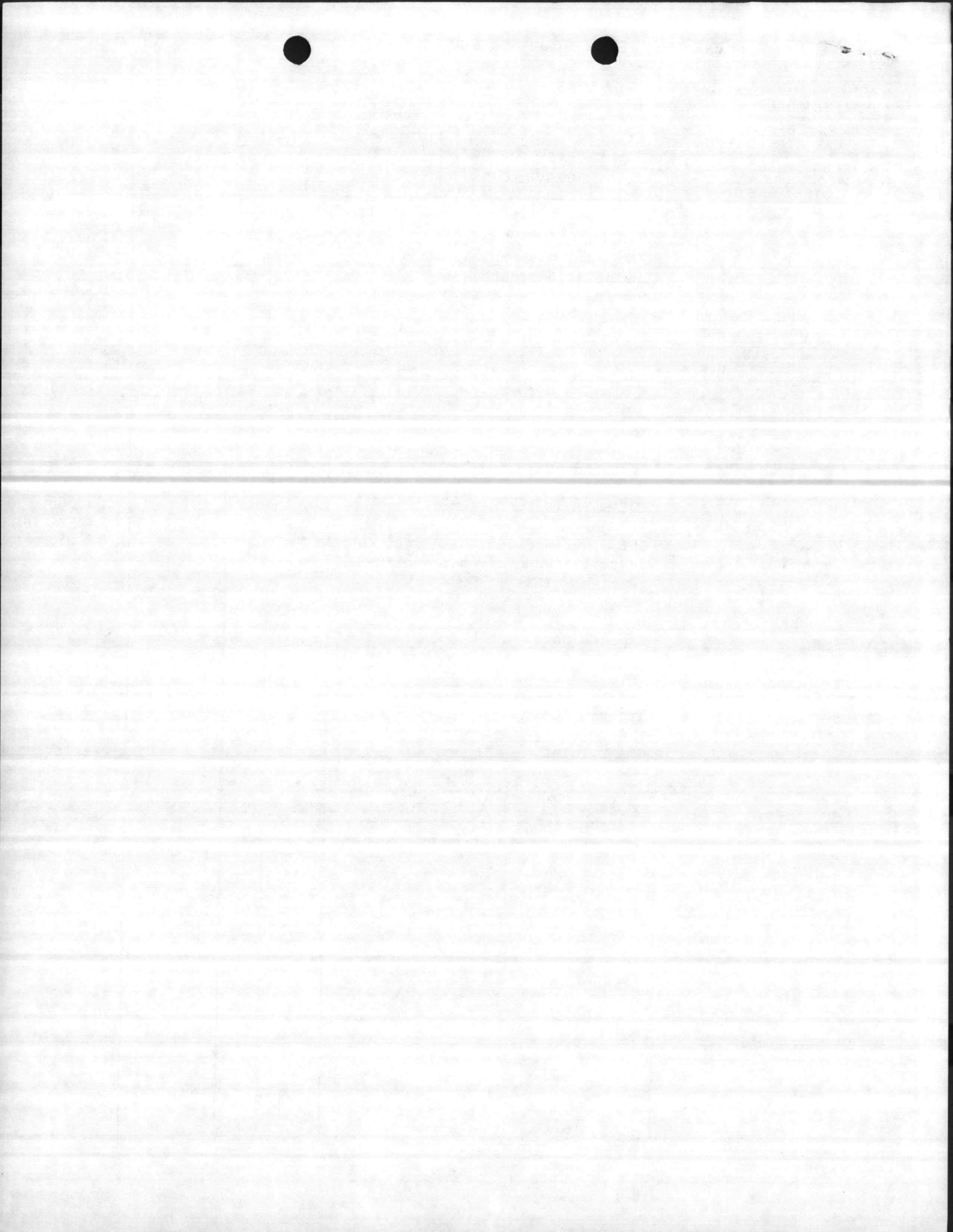
COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
 5ND LANTDIV 4-11010/6 (NEW 2-79)

DATE P-175

1. ACTIVITY (Name and Location)
 MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE
 ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN) P. NO. P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
3. <u>INVESTMENT ITEMS</u> (continued...)	Shipping, packing, handling, installation charges & contingencies - 10%				\$3,445
4. <u>APA EQUIPMENT</u>	None				
5. <u>TRAINING EQUIPMENT</u>	Movie projector	2	EA	693	1,386
	Movie screen	2	EA	132	264
	Overhead projector	2	EA	453	<u>906</u>
	TOTAL TRAINING EQUIPMENT				\$2,556
	Shipping, packing, handling, installation charges & contin- gencies - 10%				255
6. <u>SUMMARY</u>	Expense Cost				\$53,771
	Investment Cost				\$37,897
	Training Cost				<u>\$ 2,811</u>
	GRAND TOTAL				\$94,479



1. ACTIVITY (Name and Location)

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP (DIV HQ BN)

P. NO.
P-175

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
1.	<u>BUILT-IN EQUIPMENT TO BE MCON FUNDED</u>				
	*Air-conditioning, heating, and ventilating systems		EA		
	*Plumbing system		EA		
	*Steam system (interior)		EA		
	*Compressed air system		EA		
	*Sprinkler system		EA		
	*Telephone, intercom & fire alarm system		EA		
	*Drinking water coolers		EA		
	*Crane, overhead - 5 ton capacity		EA		
	*Lockers		EA		
	*Locker-room benches, 6' long		EA		
	*Chalkboards, wall mounted		EA		
	*Board, bulletin, wall mounted		EA		
	*Counter, dispatchers		EA		
	*Blinds, Venetian		FA		
	*Exhaust system, overhead, fractional HP, 208V, 3 phase		EA		
	*Deluge shower, w/eye wash, CW		EA		
	*Acid resistant sink, CW, w/bench		EA		
	*Exhaust hood (over) w/fraction HP, 120V, 1 phase fan		EA		
	*Grounding system, electronic		EA		
	*Pass window, 4' wide, w/counter & "B" label roll down shutter w/fusible link		EA		
	*60/400 cycle electrical system with AC/DC power bus bar and transformers		EA		
	*Equipment with associated installation cost.				
2.	<u>EXPENSE ITEMS</u>				
	Benches, work, portable 48"x28"x34"H	15	EA	225	3,375
	Benches, work, portable, 72"x28"x34"H	10	EA	281	2,810
	Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in battery shop	14	EA	352	4,928
	Parts bins, adj shelving, 14"x24"D	5	EA	132	660
	Grinder, bench 7" w/buffer wheel	1	EA	424	424



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)

5ND LANTDIV 4-11010/6 (NEW 2-79)

DATE

3 APR 1980

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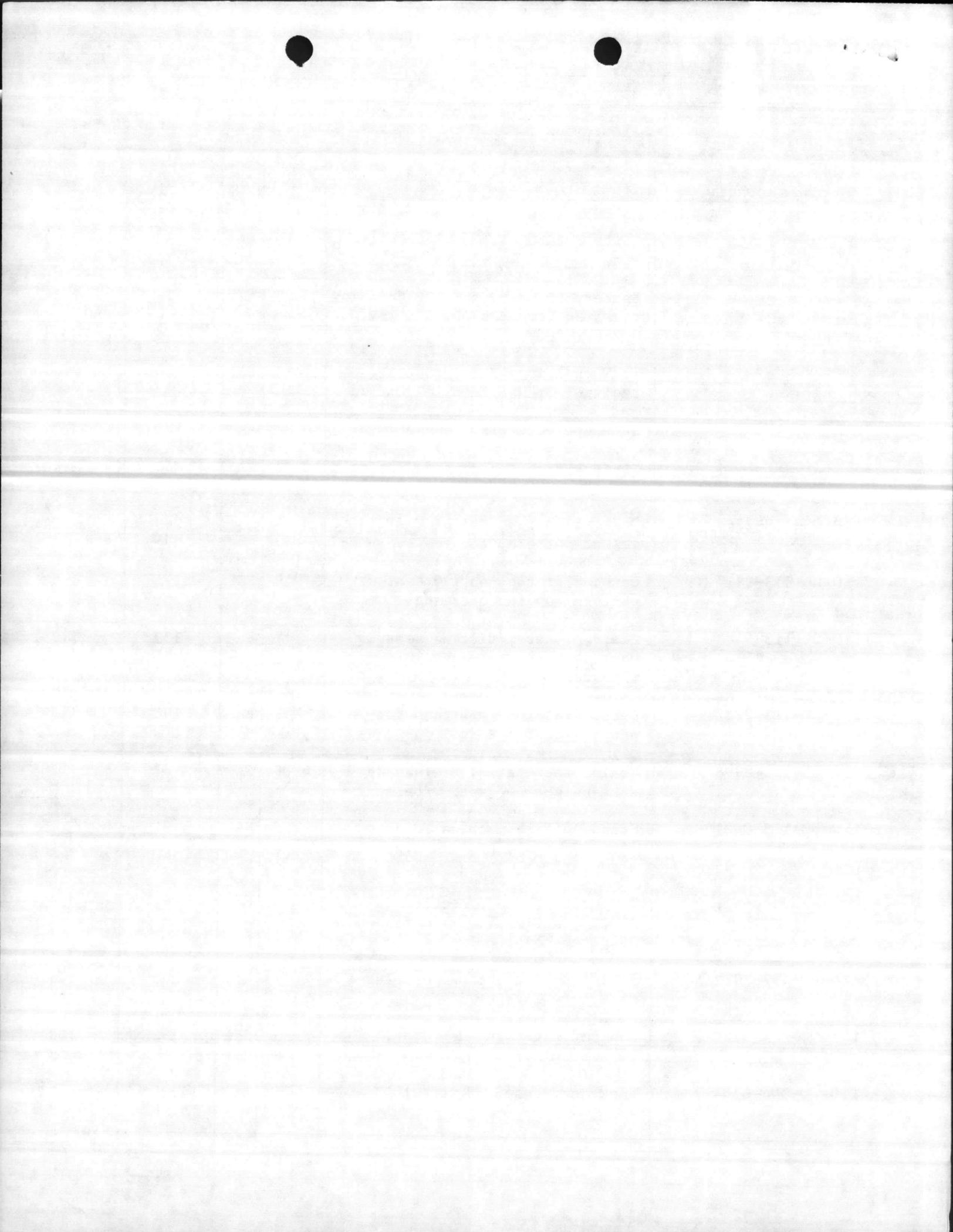
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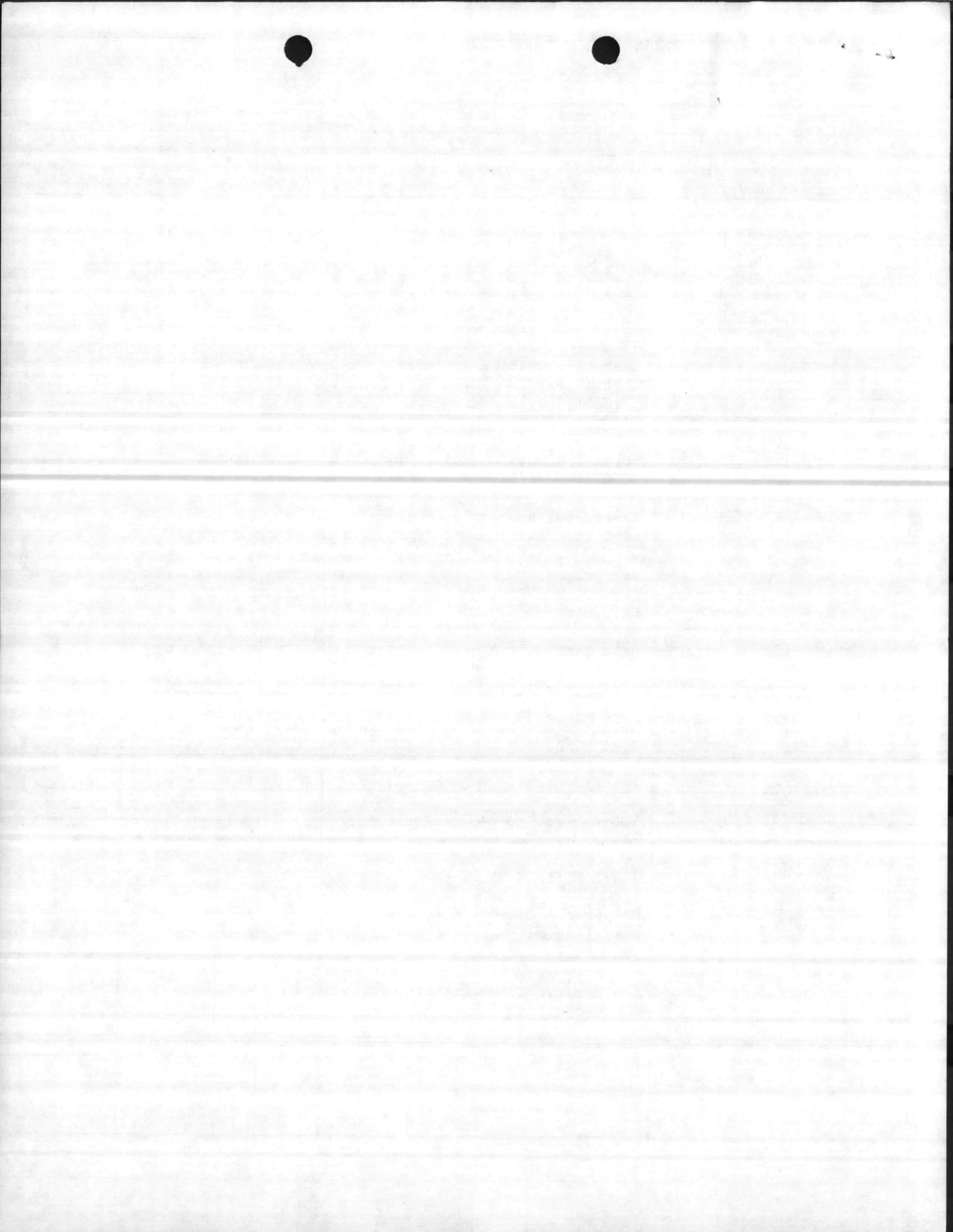
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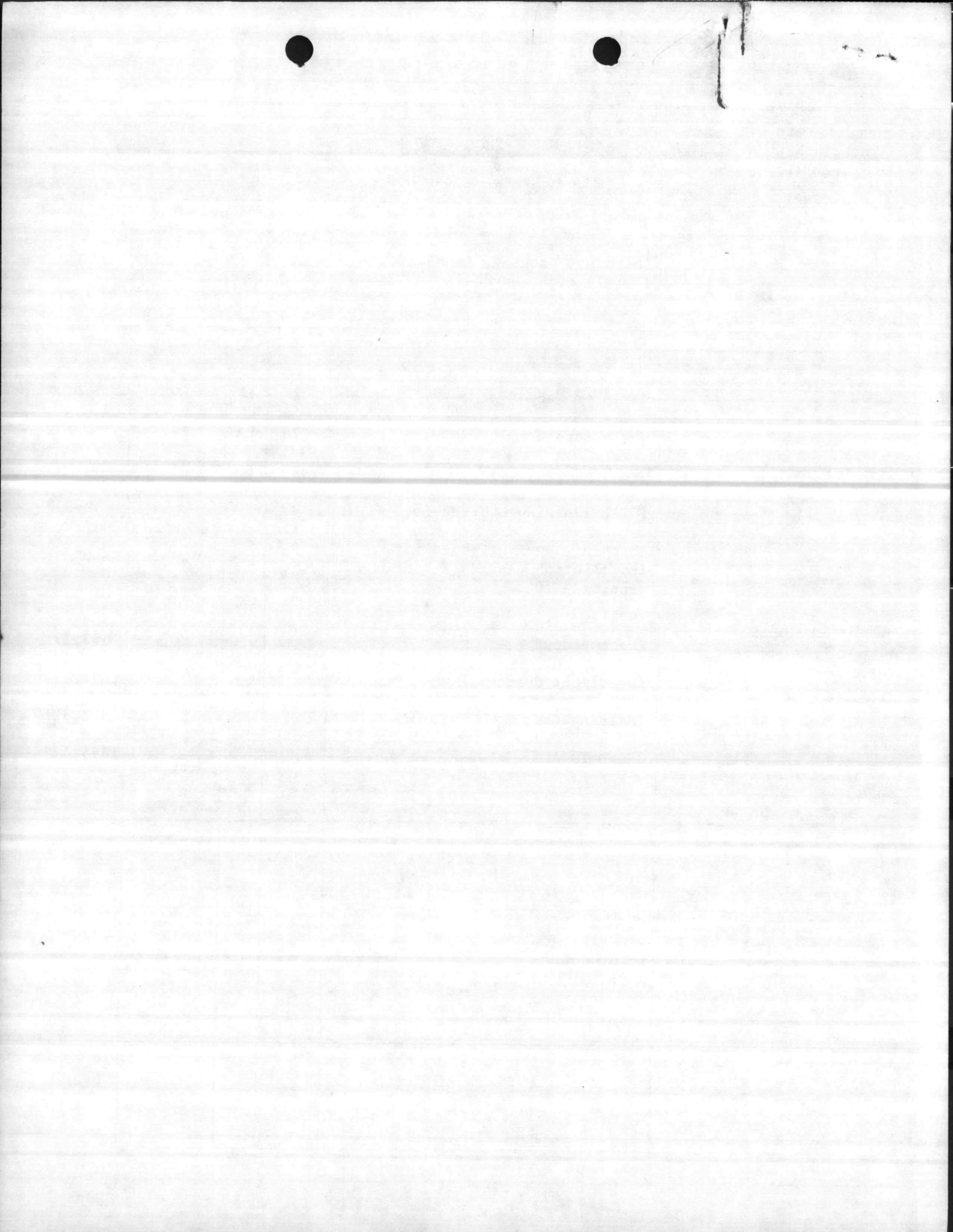
COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
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COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
3. <u>INVESTMENT ITEMS</u> (continued...)	Shipping, packing, handling, installation charges & contingencies - 10%				\$3,445
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	Investment Cost				\$37,897
	Training Cost				\$ 2,811
	GRAND TOTAL				\$94,479



DEPARTMENT OF THE NAVY

UNITED STATES MARINE CORPS

ENVIRONMENTAL IMPACT ASSESSMENT

ELECTRONIC/COMMUNICATIONS MAINTENANCE SHOP
(Project Title)

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542
(Military Installation)

1 JUNE 1979
(Date)

R. L. Pruett
Prepared by: R. L. PRUETT

R. L. PRUETT, CAPT., G-4, 2D MARDIV
(Title)

Approved by:

(Chairman, Environmental Impact
Review Board)

(Installation Commander or
Representative)

ENCL (3)



ENVIRONMENTAL IMPACT ASSESSMENT

Submitting DoD Component: Department of the Navy

Installation: Marine Corps Base, Camp Lejeune, N. C. 28542

Project Title:

Date of Submission: JUN 30 1979

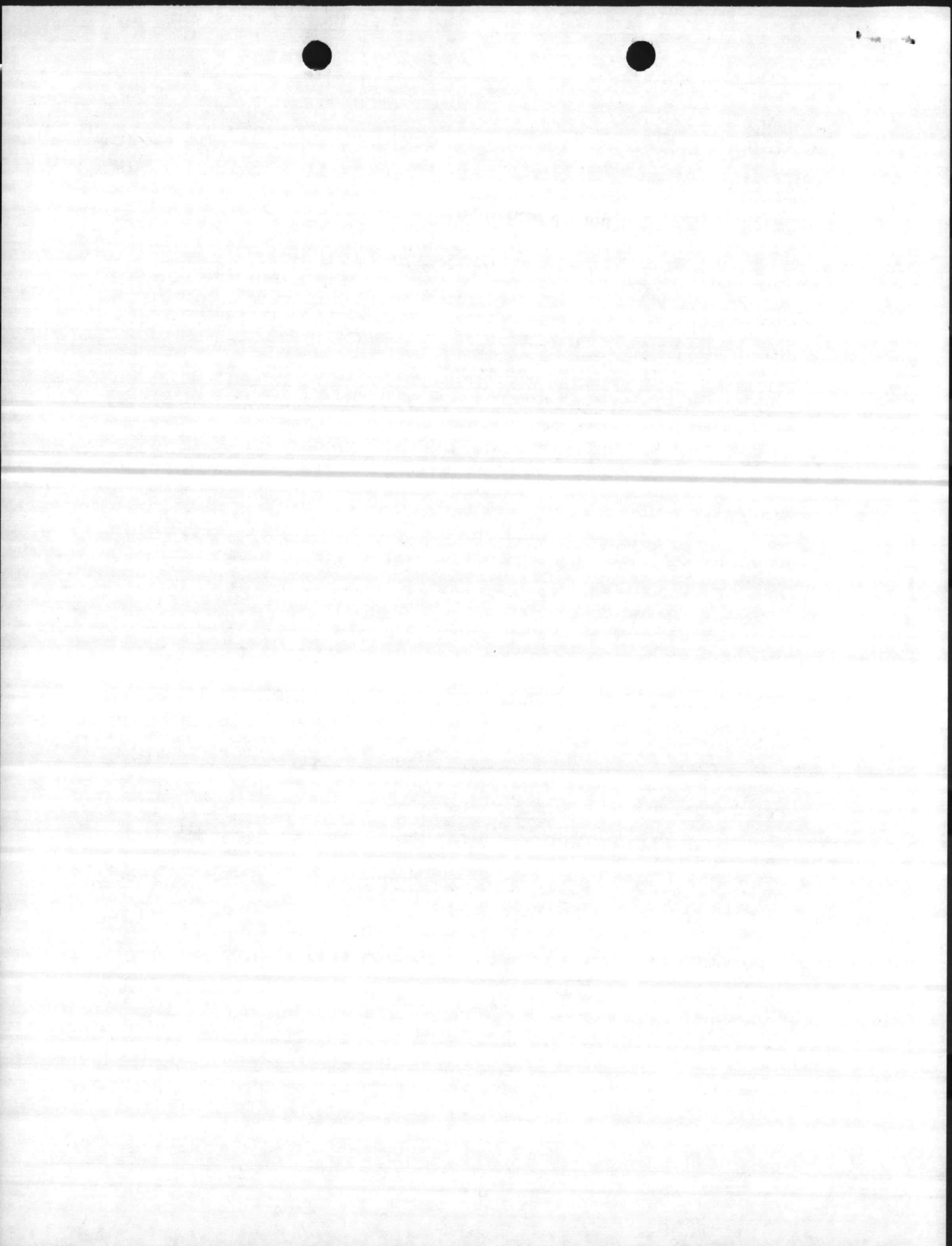
1. Introduction

a. **Project Description :** The project consists of constructing a Structure to serve as an electronic/communication maintenance facility for an infantry regiment. The environs will be landscaped with grass and shrubs included. There will be walks and parking areas included in the project to serve the occupants. Steam service will be provided from the Camp's Central Plant.

b.

2. Relationship of Proposed Action to Land Use Plans, Policies and Controls for the Affected Area:

	Conforms With	No Plans For Area	Conflicts With
a. Land Use Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Clear Air Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Federal Water Pollution Control Act	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



3. The probable Impact of the Proposed Action on the Environment:

a. Assessment of the positive and negative effects of the proposed action as it affects both the national and/or the international environment. The potentially significant effect of this action is that it:

(1) ~~Will~~/will not cause emissions into the atmosphere of toxic or hazardous substances or significant amounts of other pollutants. It will/~~will-not~~ significantly reduce the amount of pollution in the atmosphere?

(2) ~~Will~~/will not cause the creation of excessive noise, when considering the proximity and likely effects of the noise on humans or wildlife?

(3) ~~Will~~/will not introduce toxic or hazardous substances or significant amounts of chemicals, organic substances or solid wastes into bodies of water, on land or otherwise effect water or soil quality?

(4) ~~Will~~/will not significantly alter the rate of sediment deposit or temperature of a body of water?

(5) ~~Will~~/will not require the use of non-renewable energy sources, e.g., fossil fuels, etc., in apparently excessive or disproportionate amounts?

(6) ~~Will~~/will not result in a significant destruction of vegetation, wild or marine life?

(7) ~~Will~~/will not affect, beneficially or adversely, other forms of life or the ecosystems of which they are a part?

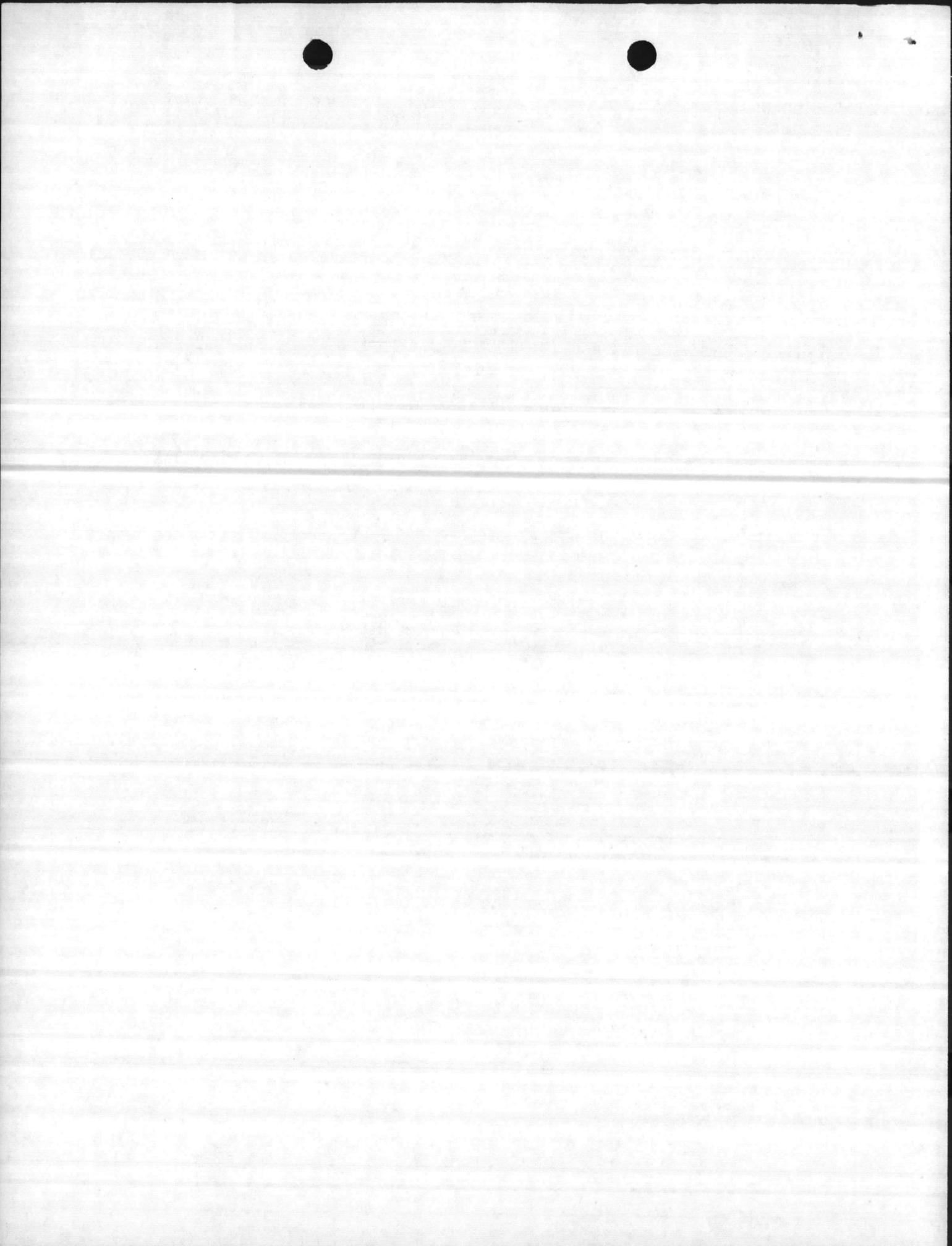
(8) ~~Will~~/will not result in contamination or deterioration of food or food sources?

(9) ~~Will~~/will not affect population density and congestion?

(10) ~~Will~~/will not cause a major change in landscape, extensive clearing, paving or excavation?

(11) ~~Will~~/will not affect, beneficially or adversely, neighborhood character (aesthetic qualities) and zoning?

(12) ~~Will~~/will not alter area hydrologic properties?



b. The proposed action will have a potentially significant effect on the following:

<u>ITEM</u>	<u>Favorable</u>	<u>Adverse</u>	<u>No Effect</u>
Traffic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Waste Treatment Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Solid Waste Disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Area Appearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (See Attachment _____)			

4. Alternatives to the Proposed Action

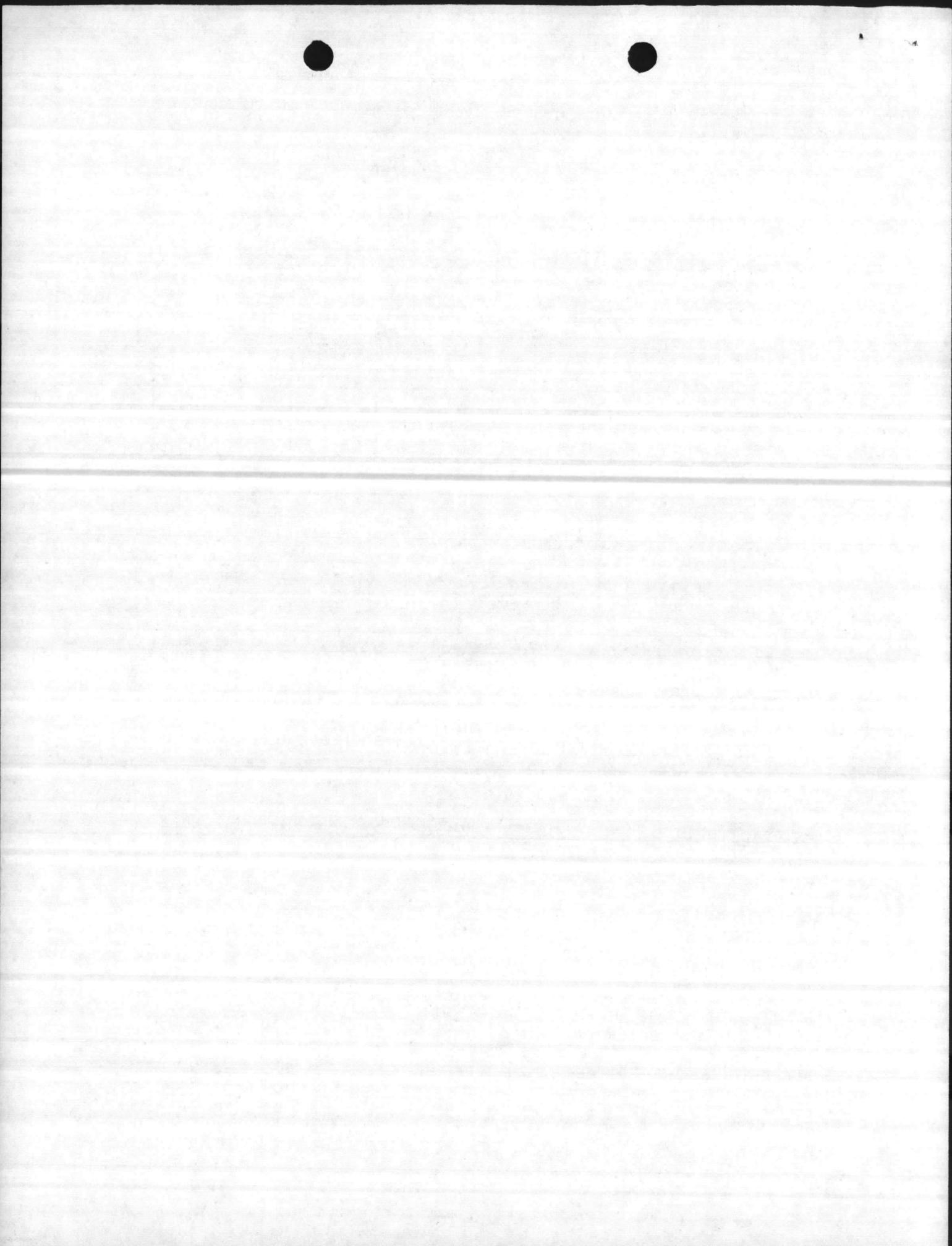
- There is no feasible alternative.
- Only feasible alternative is to take no action. The effects of this alternative are discussed in Attachment _____.
- Various alternatives and their effects are discussed in Attachment _____.

5. Any Probable Adverse Environmental Effects Which Cannot Be Avoided Should The Proposal Be Implemented

- No adverse effects on the environment are anticipated.
- Probable adverse effects are discussed in Attachment _____.

6. Relationship Between Local Short-Term Uses of the Environment and the Maintenance and Enhancement of Long-Term Productivity

No change in short-term use.



No change in the maintenance and/or enhancement of long-term productivity.

Adverse effects on the environment will occur only during the construction period and these ~~will~~/will not create permanent or long-lasting adverse effects.

The proposed action will enhance the short-term use of resources by:

Abating existing or potential pollution.

Enhancing the area appearance.

Reducing utility requirements

Improvements in operational efficiency.

Improvements in habitability of existing facilities.

Other: _____

Long-term productivity will be enhanced by:

Abating existing or potential pollution. (Dust)

Reducing utility requirements.

Improvement in operational efficiency.

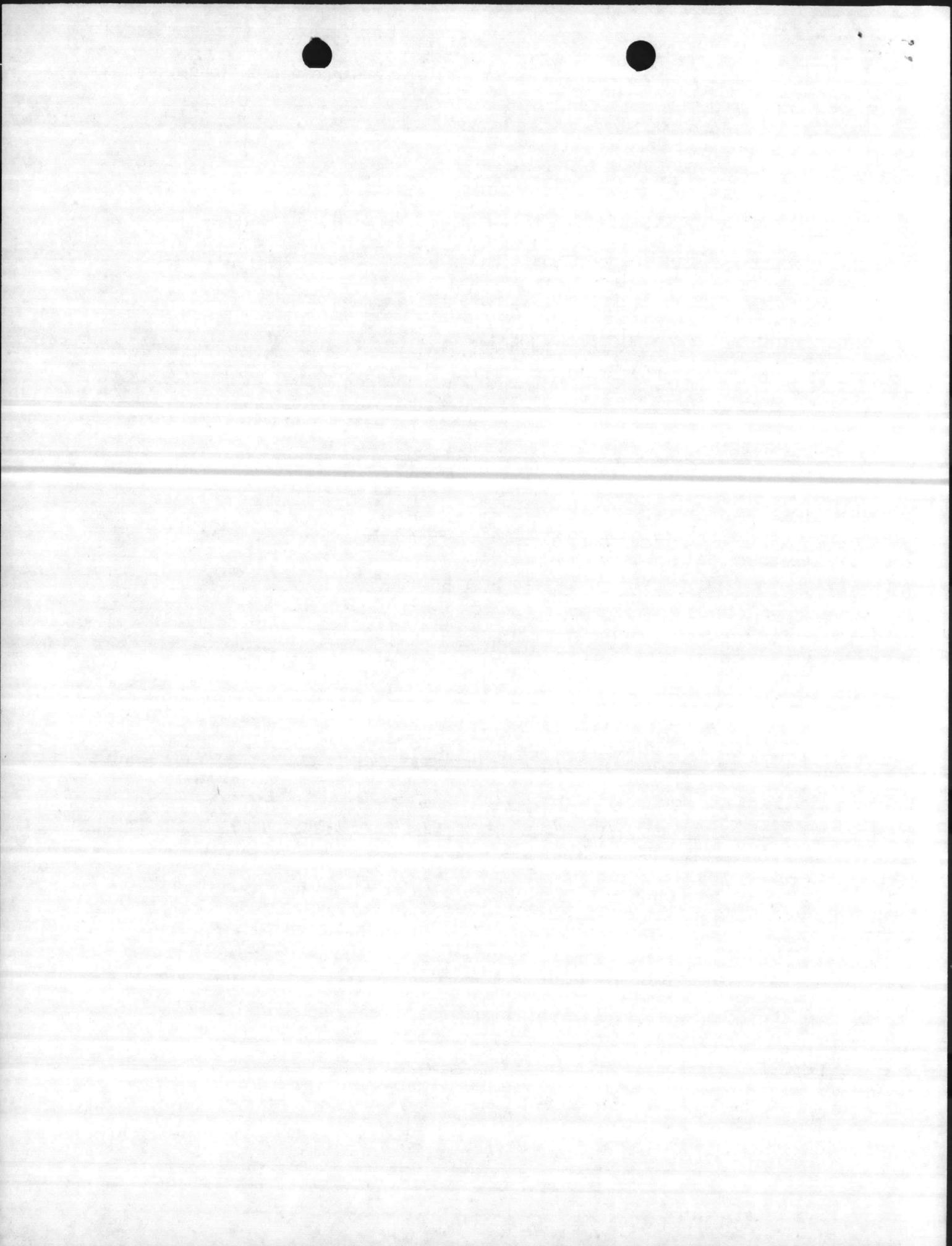
Other: _____

7. Irreversible and Irretrievable Commitments of Resources Which Would Be Involved in the Proposed Action Should It Be Implemented

No significant irreversible or irretrievable commitment of resources.

No destruction of identified archeological sites or sites having possible historic or architectural interests.

No effect on known endangered species of wildlife.



No significant change in land use.

Potentially significant irreversible or irretrievable commitments or resources are discussed in Attachment _____.

Other: _____

8. Considerations That Offset the Adverse Environmental Effects

a. This course of action as compared to adverse environmental effects of alternatives (Section 4) are discussed in Attachment _____.

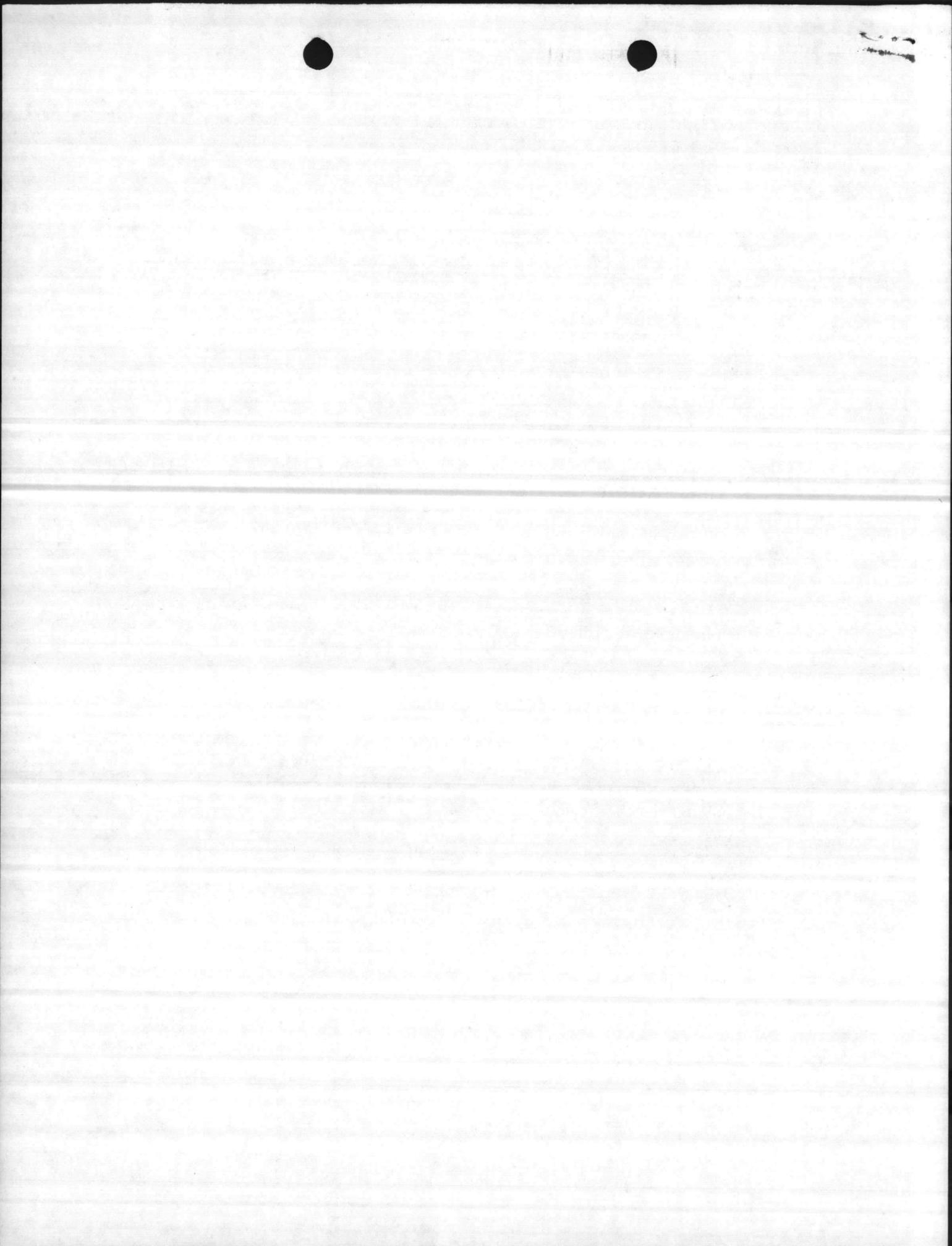
b. Cost benefit analysis of proposed action is Attachment _____.

9. Summary

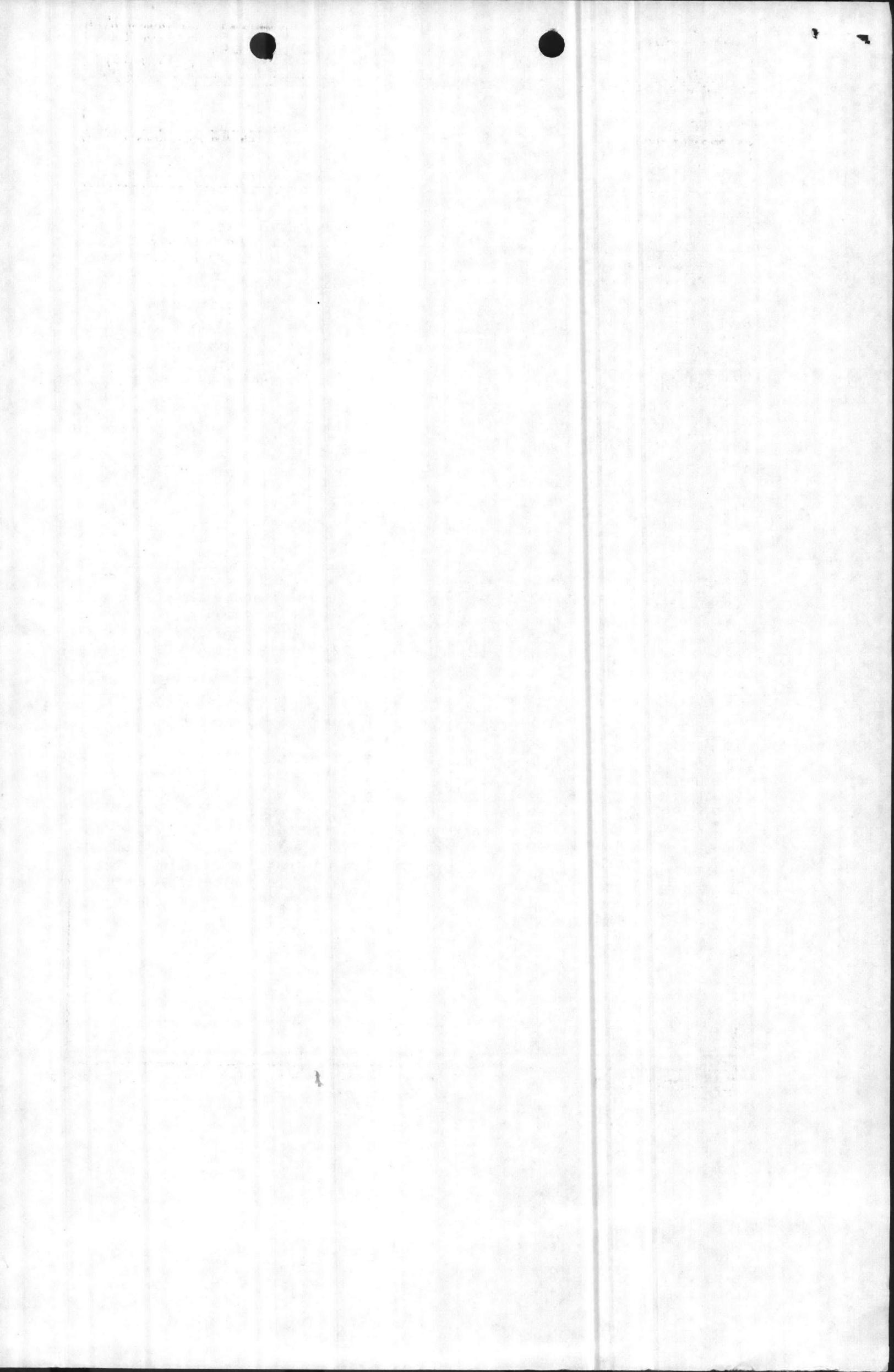
It is concluded that the proposed action will have no significant adverse effects on the environment.

There has not been, nor is there currently, any known controversy concerning the proposed action.

Based on this assessment, it is concluded that an Environmental Impact Statement must be prepared prior to implementation of the proposed action.



1. COMPONENT NAVY		FY 1978 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 MAY 1978			
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV.				
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-175		8. PROJECT COST (\$000) 1,532			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
ELECT/COMM MAINT SH W/PILE FOUNDATION, FALL- OUT PROTECTION AREA					SF	24,500	51.18	1,257
PAVING (PARKING)					LS	-	-	20
UTILITIES					LS	-	-	25
SITE WORK, FENCING, AREA LIGHTING, ETC.					LS	-	-	18
TOTAL COST					LS	-	-	1,320
CONTINGENCY - 10%					LS	-	-	132
ESTIMATED CONTRACT COST					LS	-	-	1,452
SUPERVISION, INSPECTION, OVERHEAD - 5.5%					LS	-	-	80
TOTAL REQUESTED					LS	-	-	1,532
INSTALLED EQUIP OTHER APPROPRIATIONS					-	-	-	-
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Construct a permanent one-story electronics/communications maintenance shop with concrete foundation and floors, masonry walls, built-up roof over insulation, and air-conditioning in training and administrative areas. Provide paved parking area and security fencing with lighting. Utilities connected.								
REQUIREMENTS: 178,174 SF. ADEQUATE 0. SUBSTANDARD 77,716								
PROJECT: Construct an electronics/communications maintenance shop for 2d Marine Division Headquarters Battalion.								
REQUIREMENT: A maintenance facility for organizational electronics/communications equipment.								
CURRENT SITUATION: The electronics/communications maintenance shops are located in makeshift, temporary metal and semi-permanent wood/concrete block facilities that were constructed for warehousing.								
IMPACT IF NOT PROVIDED: Troops will continue to perform maintenance in the existing makeshift facilities, severely disrupting and/or reducing the combat readiness of the organizational electronics/communications equipment.								
Signature: _____ C. A. BROWN, CDR, USN								



3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE | ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV. | 5. PROJECT NUMBER | P-175

FACILITY STUDY

1. Project Purpose. This project will provide for the maintenance of the electronics and communications T/E equipment assigned to Headquarters Battalion, 2d Marine Division.

2. Current and Planned Future Workload with Regard to this Project. Duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.

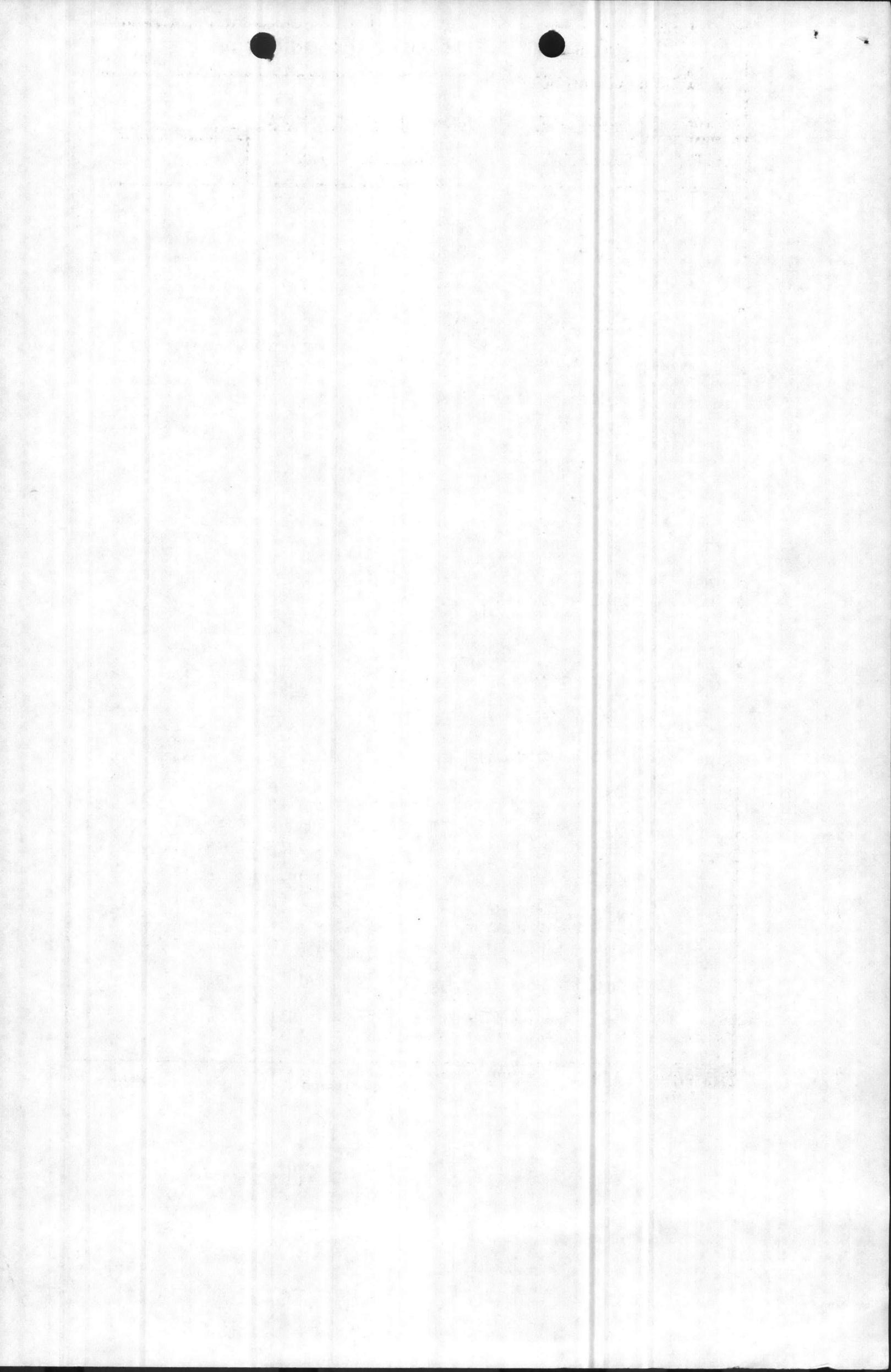
3. Description of Project. Provide a modern permanent electronics and communications maintenance shop with concrete foundation and floors, masonry walls, built-up roof over insulation with architectural motif similar to other shops in the area. Air conditioning in training and administrative areas. Additional required facilities: Construct roads, walks, parking areas; security fencing and lighting; special foundations (treated timber piling); fallout protection; etc. Utilities connected. Building 1812 to be demolished.

a. Collateral Equipment (MCON Funded)

- (1) Deluge Shower w/eye wash
- (2) Acid Resistant Sink
- (3) Exhaust Hood
- (4) Pass Window, 4'0" wide, w/counter and "B" label roll-down shutter (w/fusible link)
- (5) Exhaust System, underground (generator, auto, etc.)
- (6) Water Cooler (electrical)

b. Collateral Equipment not Included in Line Item

- (1) Portable Work Benches, 28" x 34" x 6'
- (2) Stationary Work Benches, 28" x 34" x 4'



3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV.

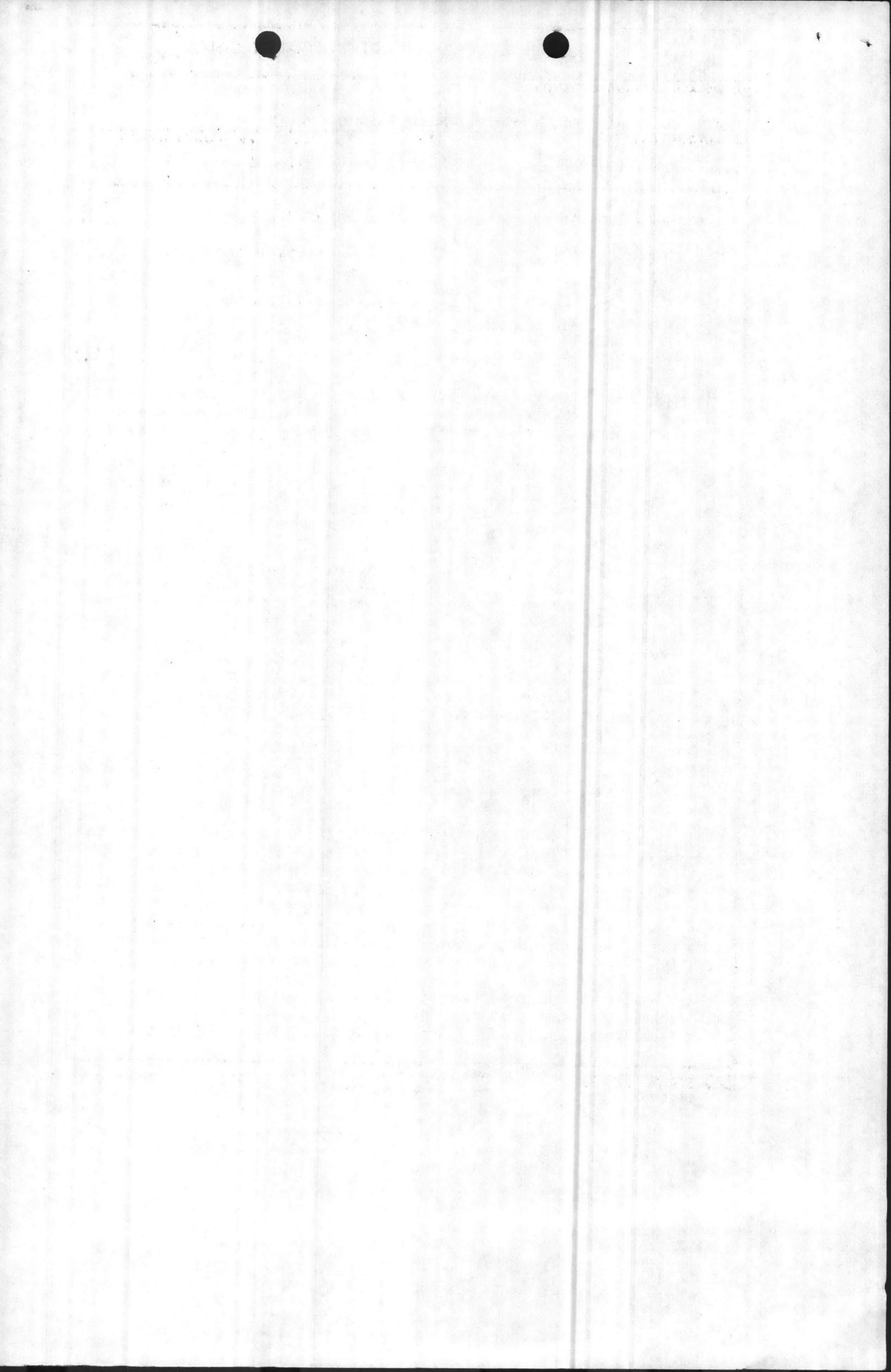
5. PROJECT NUMBER
P-175

- (3) Stationary Work Benches, 28" x 34" x 8'
- (4) 14"wide Shelving w/adj. standards (6' high)
- (5) Parts Bins w/adj.shelves, 14" x 24" deep (6' high)
- (6) Desk, double pedestal, FT SP
- (7) Desk, double pedestal, Type WD
- (8) Cabinet, file, 5 drawer
- (9) Visual Sig File Cabinet
- (10) Bookcase base
- (11) Bookcase section
- (12) Bookcase top
- (13) Clothing Locker
- (14) Blackboard
- (15) Chair, swivel, w/arms
- a. (16) Chair, swivel, w/o arms
- (17) Chair, stacking

4. Cost Estimates. Area cost factor for Camp Lejeune is 1.00. Cost of facility is estimated by NAVFAC P-448 (Feb 1976), Military Construction Cost Engineering Data. The contingency factor is 10% and the cost growth factor is computed at 10% per year with an estimated award date of

5. Justification for the Project. The proposed facility will replace the present substandard, makeshift facility (temporary WW-II, Butler type metal building, open bay with oil space heaters and no head) located in the Hadnot Point area. The new electronics and communications facility will provide a modern shop for first and second echelon maintenance, minor repairs, and replacement of minor component parts to the organizational T/E equipment. The following are some of the deficiencies in the existing facility:

- a. Space. Bench space is restricted; parts stockrooms and toolrooms are inadequate in space, storage and security. Office and heads, in most cases, are nonexistent. Repair areas are inadequate in that the structures



3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV.

5. PROJECT NUMBER
P-175

were primarily built as temporary buildings in 1942-1943.

b. Power. The facilities were constructed with a minimum of electrical power.

c. Lighting. Lighting in most areas consists of naked incandescent bulbs hanging from the ceiling.

d. Heating. Heating is with oil space heaters which fail to adequately heat the areas. These heaters are also a safety hazard.

e. Parking. Parking areas are inadequate and mostly dirt becoming mud during rainy weather.

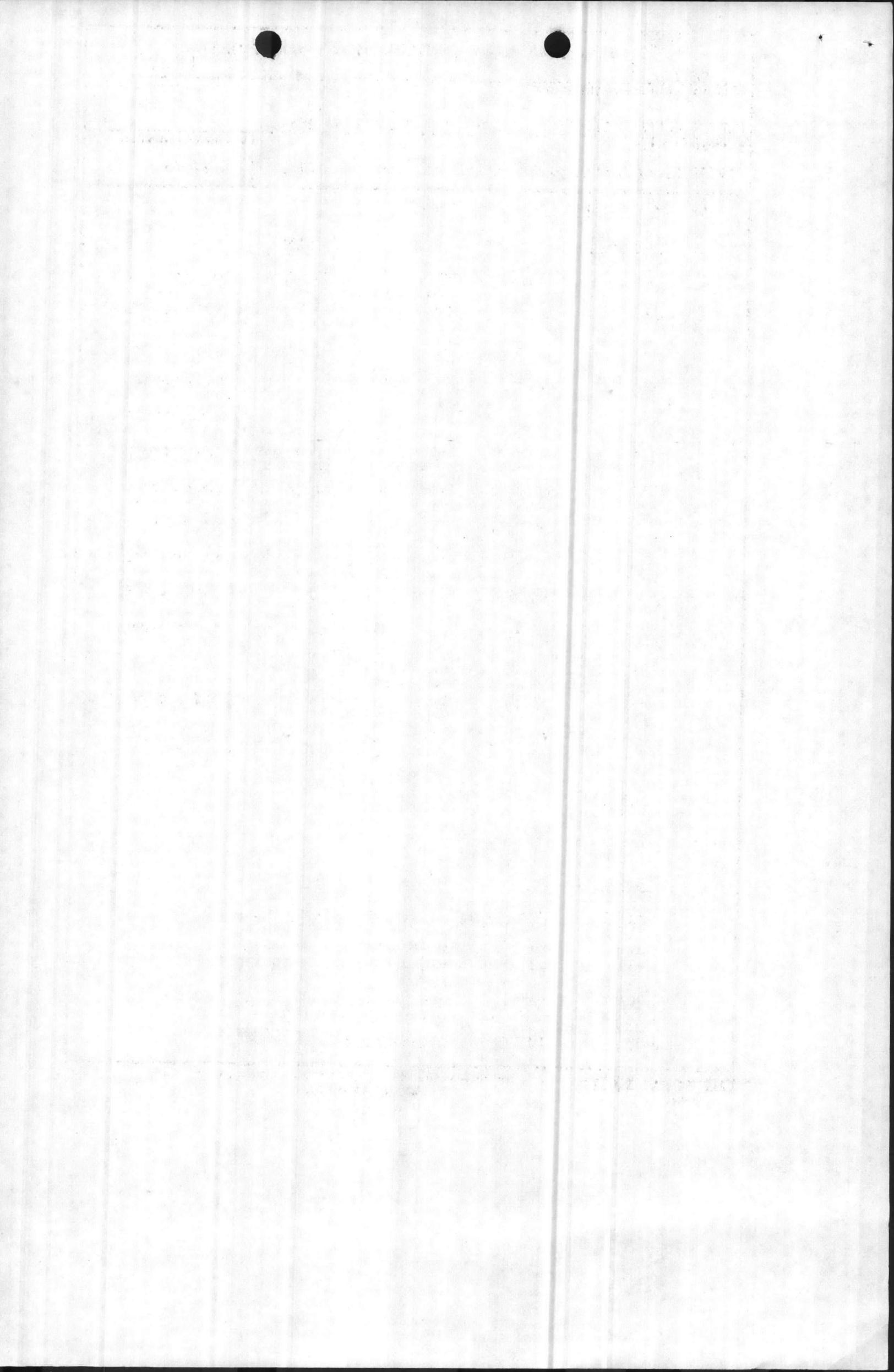
6. Justification for Scope of Project. The scope of the requested facility is based on the mission of the Headquarters Battalion and the authorized T/E approved by CMC, and approved definitive drawing #1293358 in NAVFAC P-272, Part IV.

a. BFRL Requirement (Hadnot Point Area (DA)) is 178,174 SF. NAVFAC P-80 states that the requirement for this category code (21,-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.

<u>NAVFAC Dwg. No.</u>	<u>Area</u>
1293355	36,280 SF
1293357	8,048 SF
1293358	24,500 SF
1293359 (3 x 29,775)	89,325 SF
1293360	6,316 SF
1293366	3,300 SF
1293368	4,305 SF
1293361	6,100 SF
TOTAL	178,174 SF

b. Existing Facilities.

<u>Bldg. No.</u>	<u>Area</u>	<u>Remarks</u>
116	(1,089)	Substandard - to be converted back to storage.
439	(3,240)	Substandard - to be converted back to storage.
307*	(22,786)	Substandard - to be converted back to storage.
234*	(1,947)	Substandard - to be converted back to storage.



3. INSTALLATION AND LOCATION: MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE: ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV. | 5. PROJECT NUMBER: P-175

b. Existing Facilities (continued)

Bldg. No.	Area(SF)	Remarks
505*	(2,145)	Substandard - to be converted back to storage.
532	(3,729)	Substandard - to be converted back to storage.
534*	(270)	Substandard - to be converted back to storage.
414	(3,663)	Substandard - to be demolished upon start of P-625.
599	(2,000)	Substandard - to be demolished upon completion of P-508 & P-572.
134	(3,729)	Substandard - to be converted back to storage.
816	(4,800)	Substandard - to be demolished upon completion of P-507 & P-175.
329	(3,729)	Substandard - to be converted back to storage.
075*	(11,960)	Substandard - to be converted back to storage.
530*	(2,212)	Substandard - to be demolished by MCB.
1309	(4,396)	Substandard - to be converted to vehicle maintenance.
442*	(1,705)	Substandard - to be converted back to storage.
444*	(2,160)	Substandard - to be converted back to storage.
S-23	(2,156)	Substandard - to be retained & building redesignated to category code 833-09.
SUBTOTAL		0

* Multi-use building

c. Planned Facilities

Proj. No.	Area(SF)	2d Marine Division Organizations
P-643	29,775	Marine Infantry Regiment
P-527	29,775	Marine Infantry Regiment
P-644	29,775	Marine Infantry Regiment
P-229	36,280	4th Battalion, 10th Marines
P-229	3,300	Motor Transport Battalion
P-175	24,500	Headquarters Battalion

1. COMPONENT

FY 19__ MILITARY CONSTRUCTION PROJECT DATA

2. DATE

MAY 1978

NAVY

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP, 2D DIV.

5. PROJECT NUMBER

P-175

<u>Proj. No.</u>	<u>Area(SF)</u>	<u>2d Marine Division Organizations</u>
P-653	8,048	Service Battalion
P-564	6,100	Shore Party Battalion
P-565	4,305	Engineer Battalion
P-569	6,316	Reconnaissance Battalion

SUBTOTAL 178,174 SF

d. Existing Facilities	- 0 -
Planned Facilities	178,174 SF

BFRL TOTAL 178,175 SF

7. Common Support Facilities. An analysis has been made by the requesting organizations and it was determined that a mutual agreement to share a common-use facility with other 2d Marine Division units within the Hadnot Point area was not feasible. This decision was based on the amount and type of equipment these organizations rate by T/E and the missions.

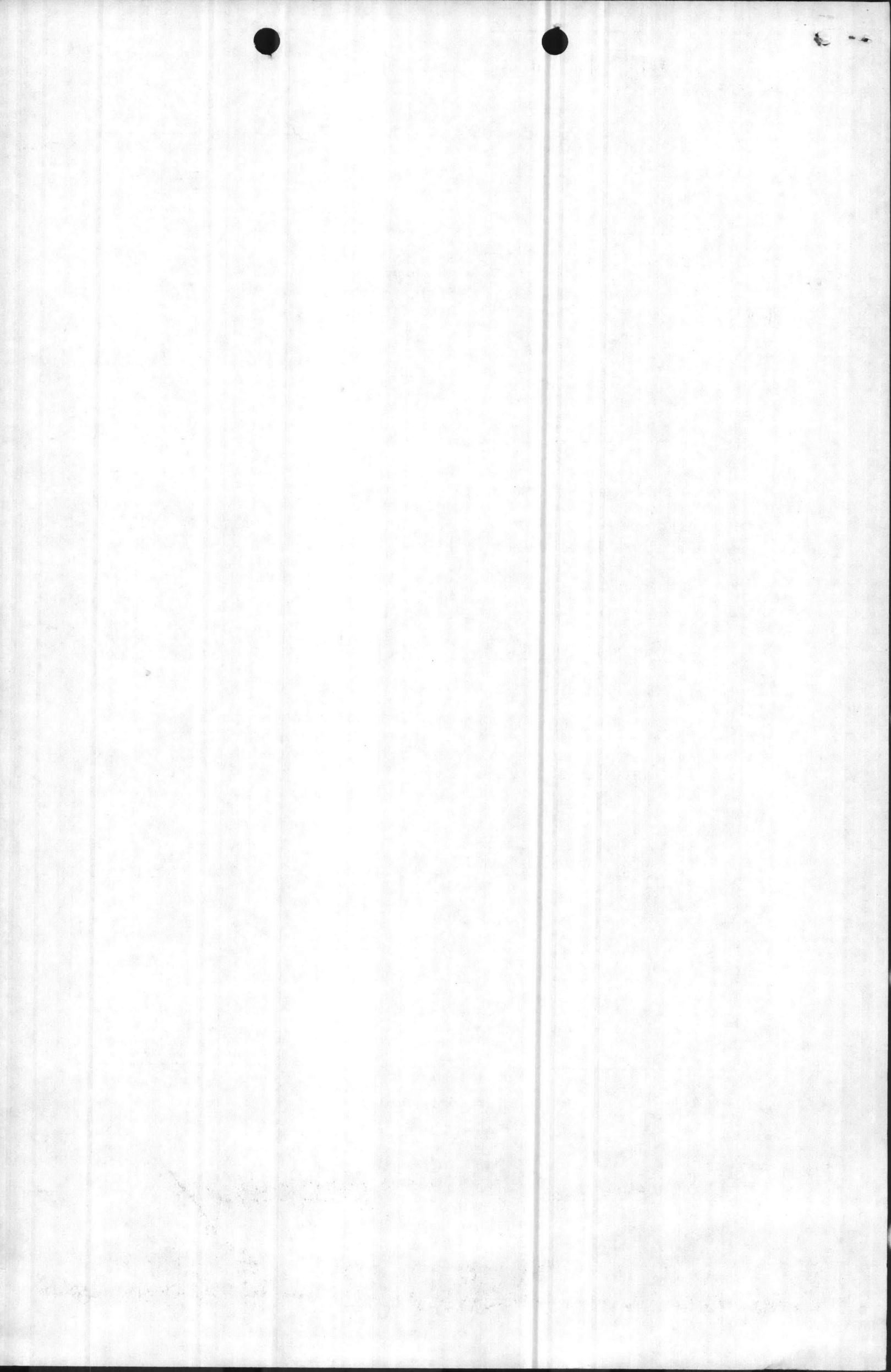
8. Effect on Other Resources. None

9. Siting of the Project. Enclosure (1)

10. Other Graphic Presentations. Not applicable.

11. Economic Analysis. Not applicable.

12. Environmental Impact Statement. An environmental impact assessment has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial. Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.





DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

IN REPLY REFER TO
LFF-1-WFP:rs
18 MAR 1977

From: Commandant of the Marine Corps
To: Commanding General, Marine Corps Base, Camp Lejeune,
North Carolina 28542

Subj: Guidance for Military Construction Planning and
Programming

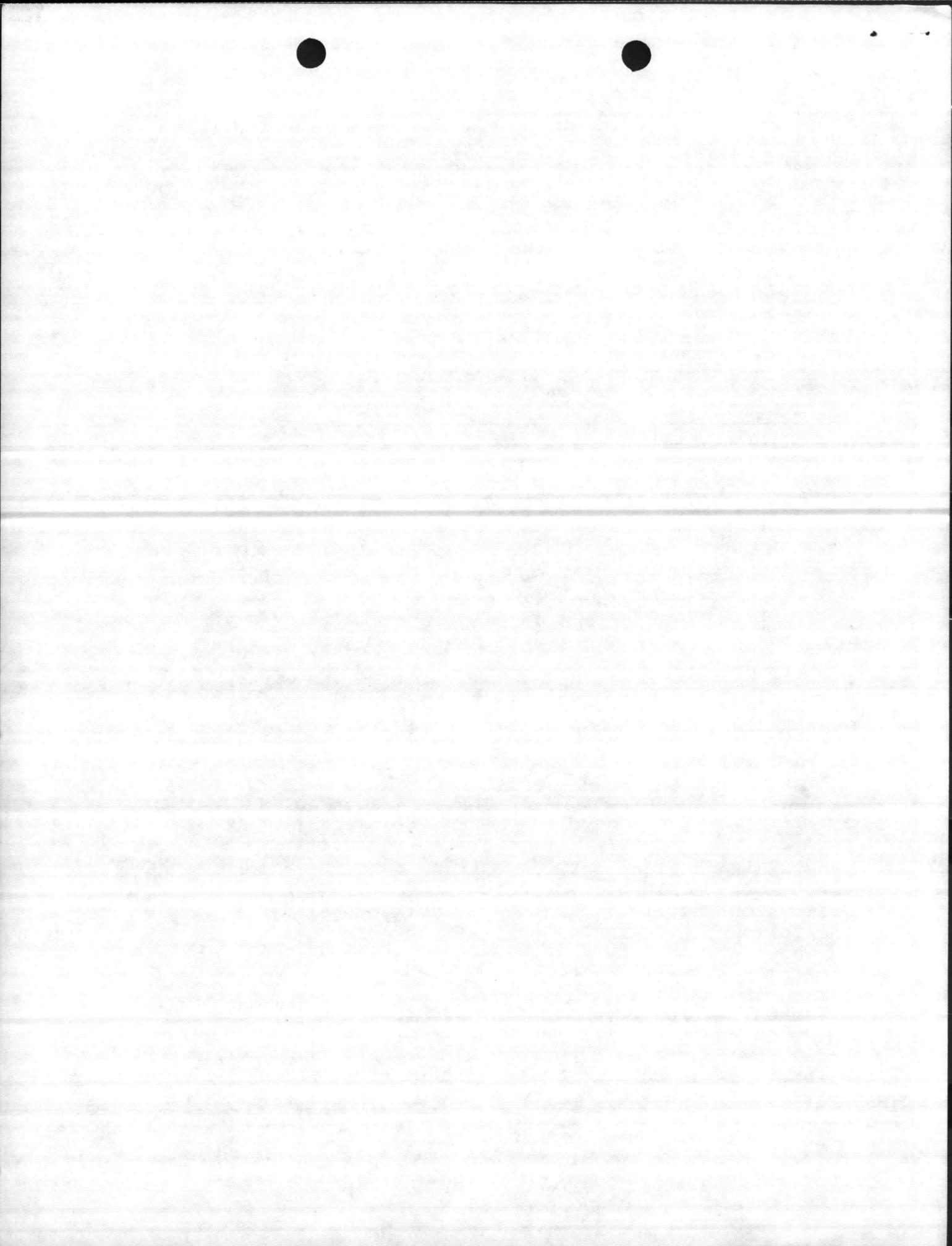
Ref: (a) MCO P11000.12A
(b) CMC ltr LFF-1-MMS:dc of 4 Feb 76

Encl: (1) Shore Activity Military Construction Program
(FY-78 thru FY-82)
(2) Example Format

1. This letter provides the annual guidance for Military Construction (MCON) programming in accordance with paragraph 0801 of reference (a) and supersedes reference (b). Requirements and actions pertaining to facility planning for other than MCON projects will be the subject of separate correspondence.

2. Review of the FY 1978 and FY 1979 MCON programs by OSD/OMB resulted in approximately \$30 million previously programmed in FY 1978 being deferred to the FY 1979 MCON program. Accordingly, the FY 1978 MCON program as shown on enclosure (1) has been submitted to the Committees of Congress for authorization and appropriation and is not subject to revision. The FY 1979 program has also received its first critical review, therefore, this letter primarily concerns programming actions for the FY 1980 through FY 1983 program years. It should be recognized that the impact of OSD/OMB actions on the FY-79 program will ultimately be reflected in the follow-on programs, therefore enclosure (1) reflects the best estimate by this Headquarters at this time for the program years (FY78-FY82).

3. Should a requirement exist for a project which is not shown on enclosure (1), a DD 1391 and a facility study should be submitted and the project inserted at an appropriate priority on an updated NAVMC 10956. Projects programmed for FY 1981 and FY 1982 should be reviewed for scope and price accuracy and revised DD 1391's submitted. The scope and priority of projects listed on an activity's NAVMC 10956 should reflect the base loading figures and mission assignments as published in the activity's latest Facilities Support



Subj: Guidance for Military Construction Planning and Programming

Requirements (FSR) planning document. In addition to other data required by paragraph 0807 of reference (a), the detailed tabular quantitative data should be shown in the facility study in the format of enclosure (2).

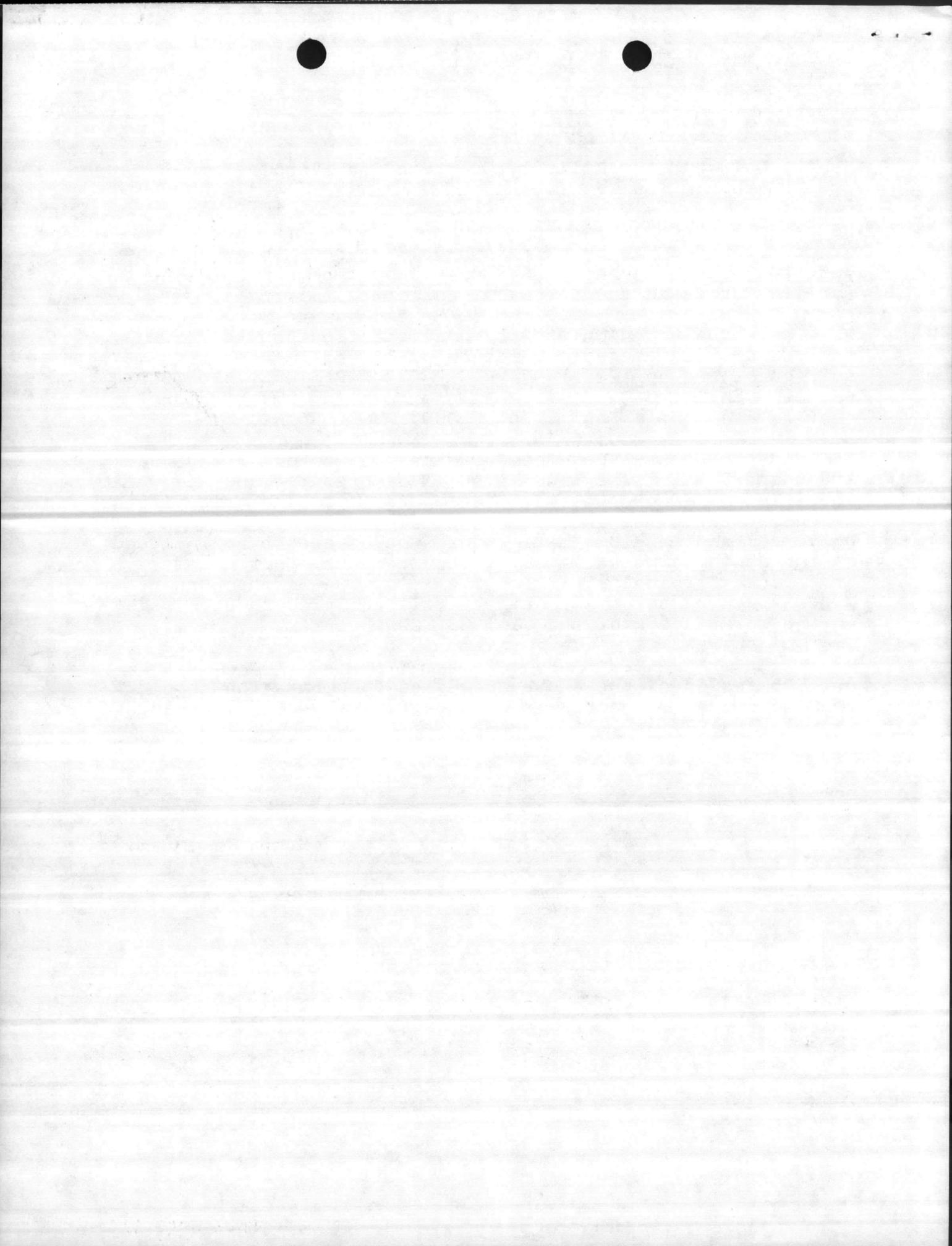
4. Costs reflected on project documentation should be in accordance with the cost guidance published in the current edition of the applicable NAVFAC P-432. Project costs for Bachelor Enlisted Quarters shall not exceed the statutory cost limitations established by DOD.

5. Updated General Development maps, NAVMC Forms 10801 and 10956 and OPNAV Forms 11000-5 shall be prepared and submitted in accordance with reference (a). The criteria for a requirement to be included on these forms must be emphasized. Only real and tangible Marine Corps needs are to be included on the above forms as facility requirements. Unprogrammed projects are to be prioritized to allow the Marine Corps MILCON Backlog to be more effectively analyzed and to assist in the formulation of the FY-1983 MCON Program.

6. Submission of the above requested documentation should be made so as to reach this Headquarters (Code LFF) no later than 1 May 1977.

W. G. Bates

W. G. BATES
By direction

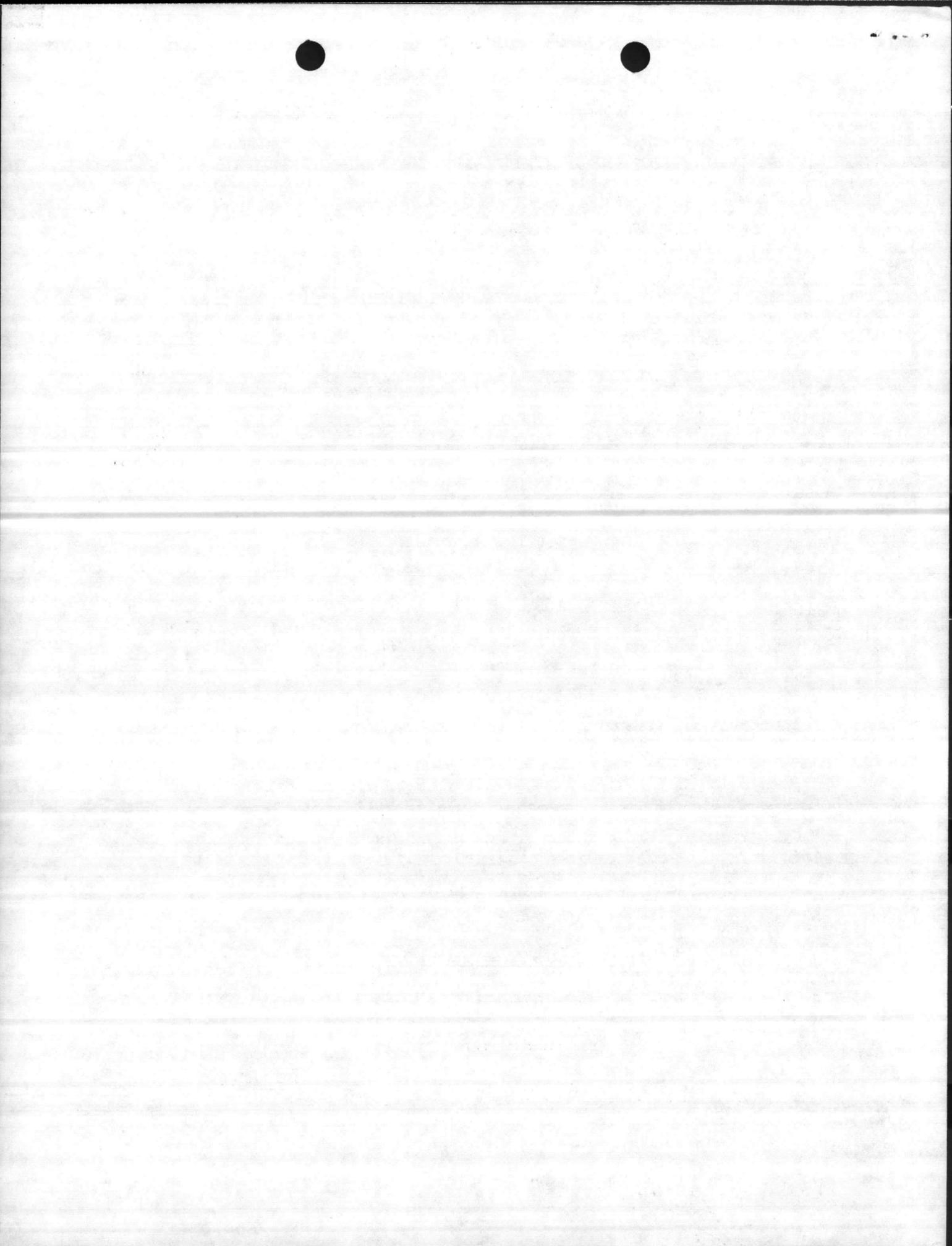


SHORE ACTIVITY
MILITARY CONSTRUCTION PROGRAM

Activity: MCB Camp Lejeune

<u>Project No.</u>	<u>Item</u>	<u>FY78</u>	<u>Scope</u>	<u>Date of Last 1391 Submitted</u>
P-138	Combat Veh. Maint. Fac.		42,500SF	30 Sep 76
P-243	BEQ (1152 MN)		186,624SF	30 Sep 76
<u>Fiscal Year 1979</u>				
P-255	Combat Vehicle Maint. Shops		64,000SF	8 Nov 76
P-065	Physical Fitness Center		9,200SF	30 Sep 76
P-216	BEQ (1152 MN)		197,715SF	11 Mar 76
<u>Fiscal Year 1980</u>				
P-613	BEQ (1440 MN)		233,280SF	12 Nov 76
<u>Fiscal Year 1981</u>				
P-175	Comm/Elect. Maint.		24,500SF	11 Mar 76
P-445	Auto. Org. Shop		30,840SF	11 Mar 76
P-611	BEQ (1584 MN)		197,715SF	11 Mar 76
<u>Fiscal Year 1982</u>				
P-117	Communication Center		24,820SF	25 Jun 75
P-506	FLD Maint. Shop (Para)		4,250SF	11 Mar 76

Enclosure (/)



EXAMPLE FORMAT

P-175, Automotive Organizational Shop, Category Code 214-51

A. BFRL REQUIREMENT 100,000 SF

NAVFAC P-80 states that the requirement for this category code is determined from definitive drawings given in NAVFAC P-272, Part IV. The total requirement is 100,000 SF.

NAVFAC Drawing No.

17264	20,000 SF
17265	15,000 SF
17267	10,000 SF
17268	15,000 SF
17269	10,000 SF
17270	30,000 SF
	<u>100,000 SF</u>

B. EXISTING ASSETS

Building No.

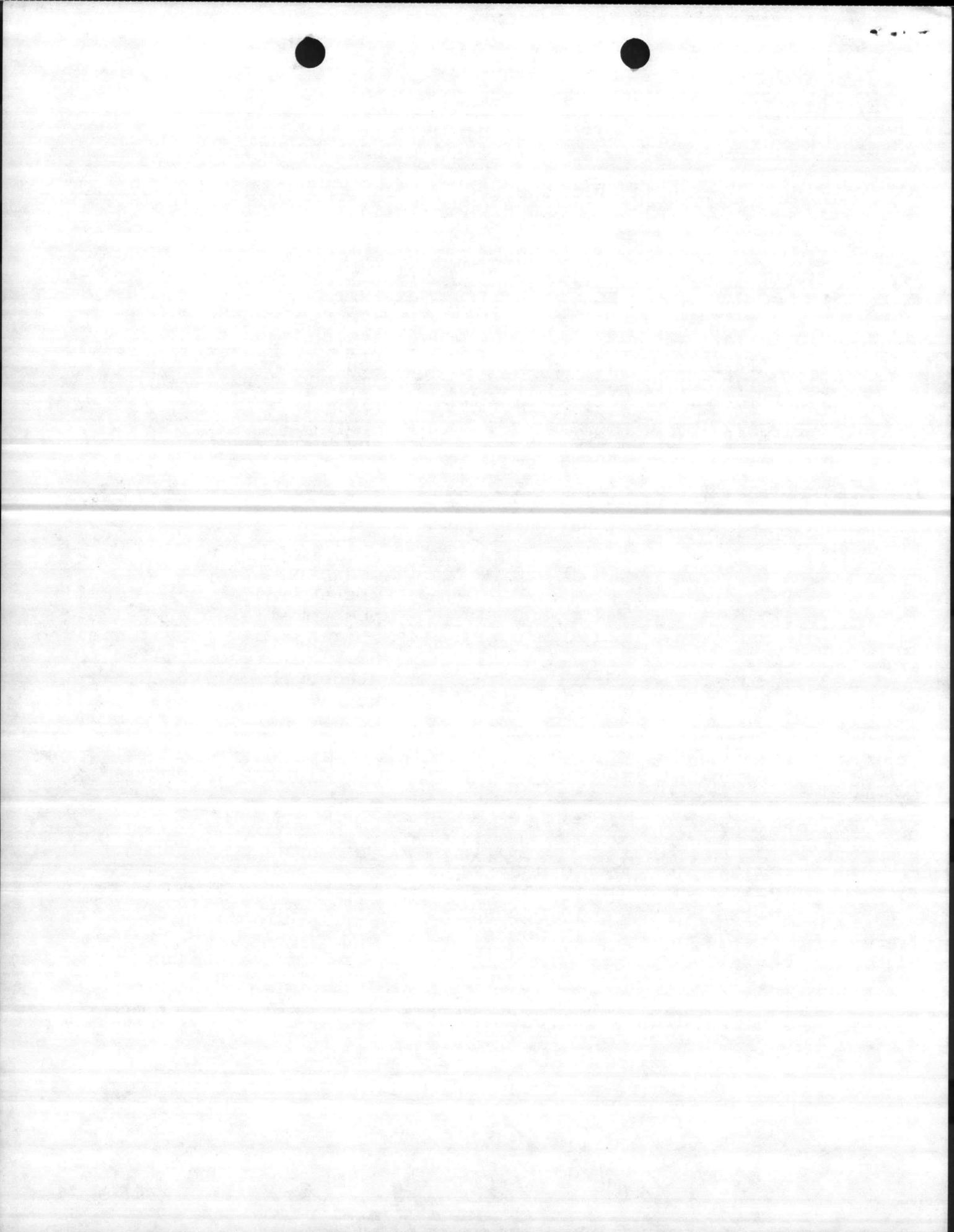
6	20,000 SF	Adequate
7	(35,000 SF)	Substandard - to be demolished upon completion of P-175.
8	(20,000 SF)	Substandard - to be retained and bldg. redesignated to category code 740-43.
9	<u>10,000 SF</u>	Substandard - to be retained and modernized.
SUBTOTAL	30,000 SF	

C. PLANNED FACILITIES

Project No.

P-124	20,000 SF
P-125	15,000 SF
P-126	10,000 SF
P-127	15,000 SF
P-175	10,000 SF
SUBTOTAL	<u>70,000 SF</u>
BFRL TOTAL	<u>100,000 SF</u>

Sample



1. DATE 25 June 1975	2. FISCAL YEAR 1979	3. DEPARTMENT NAVY		4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	
5. PROPOSED AUTHORIZATION \$ 1,505,000		6. PRIOR AUTHORIZATION P.L. -	7. CATEGORY CODE NUMBER 217-10	8. PROGRAM ELEMENT NUMBER	
10. PROPOSED APPROPRIATION \$ 1,505,000			11. BUDGET ACCOUNT NUMBER	12. PROJECT NUMBER P-175	9. STATE/COUNTRY North Carolina
13. PROJECT TITLE HADNOT POINT AREA ELECT/COMM MNT SHOP (DIV)				NM	CM X

SECTION A - DESCRIPTION OF PROJECT

14. TYPE OF CONSTRUCTION	18. PHYSICAL CHARACTERISTICS OF PRIMARY FACILITY
a. PERMANENT <input checked="" type="checkbox"/>	a. NO. OF BLDGS 1 b. NO. OF STORIES 1 c. LENGTH IRREG. d. WIDTH IRREG.
b. SEMI-PERMANENT	e. DESIGN CAPACITY f. GROSS AREA 24,500 SF
c. TEMPORARY	g. COOLING AIR COND CAP. 18 TN COST (\$ 27,900.00)
15. TYPE OF WORK	19. DESCRIPTION OF WORK TO BE DONE
a. NEW FACILITY <input checked="" type="checkbox"/>	Construct a permanent one-story electronics/communications maintenance shop with concrete foundation and floors, masonry walls, built-up roof over insulation, and air conditioning in training and administrative areas. Provide paved parking area and security fencing with lighting. Utilities connected.
b. ADDITION	
c. ALTERATION	
d. CONVERSION	
e. OTHER (Specify)	
16. REPLACEMENT <input checked="" type="checkbox"/>	
17. TYPE OF DESIGN	
a. STANDARD DESIGN <input checked="" type="checkbox"/>	
b. SPECIAL DESIGN	
c. DRAWING NO. NAVFAC 1293358	

SECTION B - COST ESTIMATES

20. PRIMARY FACILITY	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECT/COMM MNT SHOP	LS	-	\$ -	\$ 1,328
a. BUILDING	SF	(24,500)	54.00	(1,323)
b.		()		()
c.		()		()
d. FALLOUT PROTECTION AREA	MN	(50)	100.00	(5)
				\$ 177
21. SUPPORTING FACILITIES				
a. SPECIAL FOUNDATION - PILING	LF	5,000	16.00	(80)
b. ELECTRICAL SUBSTATION	KV	150	152.70	(23)
c. ELECTRICAL DISTRIBUTION LINES	LF	190	23.00	(4)
d. TELEPHONE & FIRE ALARM LINE	LF	190	17.00	(3)
e. STEAM DISTRIBUTION LINES	LF	480	87.35	(42)
f. WATER DISTRIBUTION LINES	LF	45	24.57	(1)
g. SANITARY/STORM SEWER LINES	LF	55	36.36	(2)
h. SECURITY LIGHTING/FENCING	LF	700	14.29	(10)
i. SITE IMPROVEMENTS	AC	2	500.00	(1)
j. DEMOLITION	SF	11,000	1.00	(11)
22. TOTAL PROJECT COST				\$ 1,505

SECTION C - BASIS OF REQUIREMENT 1 APR 1979

ESCALATION: FY77-.83% Mo; FY78-.83% Mo; FY79-.83% Mo.

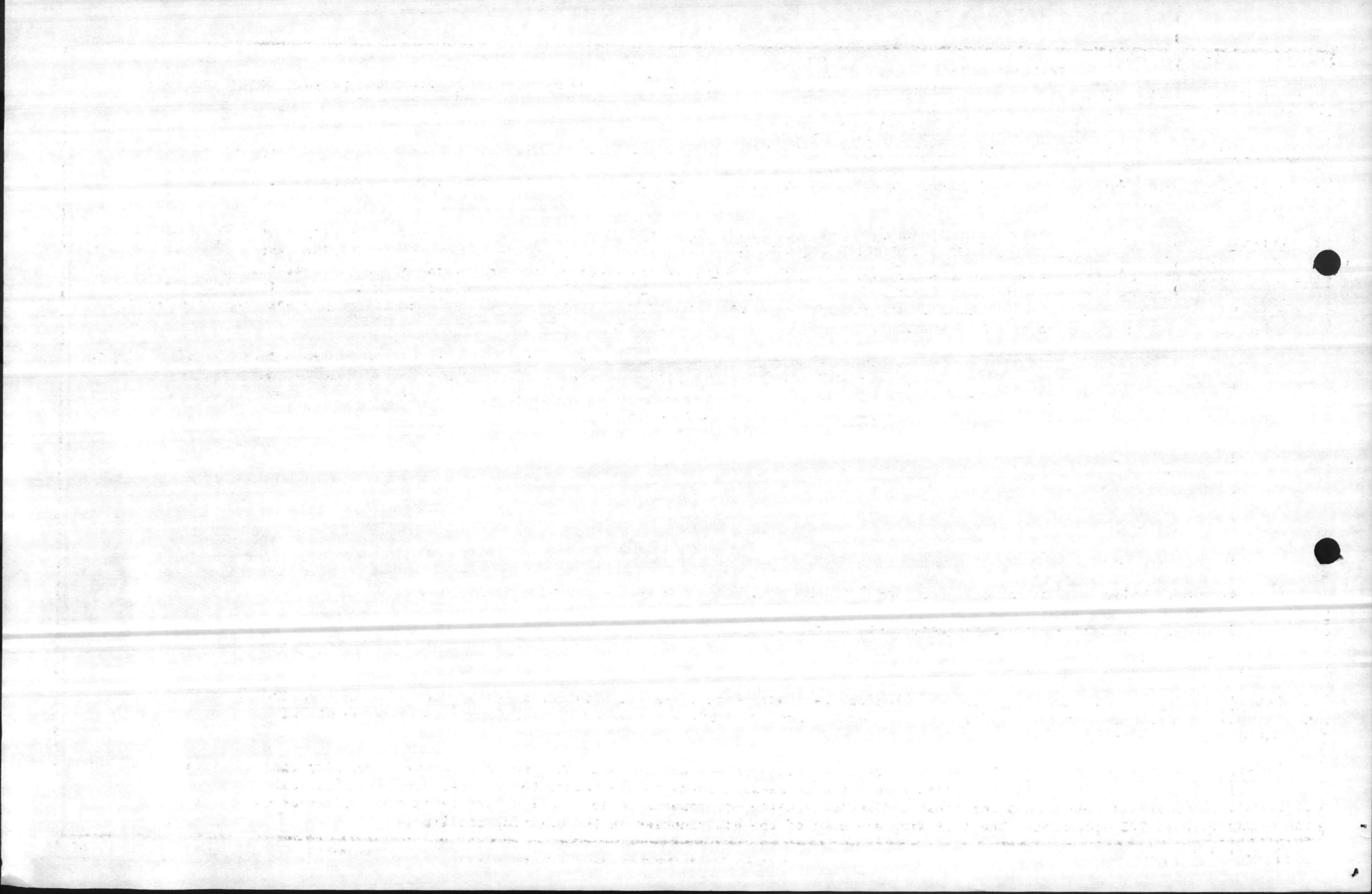
QUANTITATIVE DATA (U/M SQUARE FEET)		25. REQUIREMENT FOR PROJECT	
a. TOTAL REQUIREMENT	HADNOT POINT BFRL 178,174	MISSION: Provide housing, training facilities, logistical support, and certain administrative support to tenant Fleet Marine Force commands and other units assigned.	
b. EXISTING SUBSTANDARD	(46,726)	PROJECT: Construct an Elect/Comm Maintenance Shop for 2ND MarDiv Headquarters Battalion.	
c. EXISTING ADEQUATE	0	REQUIREMENT: A maintenance facility for organizational electronic/communication equipment.	
d. FUNDED, NOT IN INVENTORY	0	CURRENT SITUATION: The electronic/communication maintenance shops are located in makeshift, temporary metal and semi-permanent wood/concrete block facilities that were constructed for warehousing.	
e. ADEQUATE ASSETS (c + d)	0	IMPACT IF NOT PROVIDED: Troops will continue to perform maintenance in the existing makeshift facilities, severely disrupting and/or reducing the combat readiness of the organizational electronic/communication equipment.	
	AUTHORIZED	FUNDED	
f. UNFUNDED PRIOR AUTHORIZATION	0		
g. INCLUDED IN FY -- PROGRAM	0		
h. DEFICIENCY (a - e - f - g)	178,174		
24. RELATED PROJECTS -			



1. DATE 25 June 1975	2. FISCAL YEAR 1979	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
5. PROJECT NUMBER P-175		6. PROJECT TITLE HADNOT POINT AREA ELECT/COMM MNT SHOP (DIV)		

SPECIAL CONSIDERATIONS

1. POLLUTION PREVENTION, ABATEMENT AND CONTROL: This project will not cause additional air or water pollution.
2. FLOOD HAZARD EVALUATION: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. ENVIRONMENTAL IMPACT: An environmental impact assessment has been made and it has been determined that the proposed project will have neither a significant impact on the environment nor is it highly controversial.
4. USE OF AIR CONDITIONING: Ceiling "U" factors will be made to conform with DoD 4270.1-M.



1. DATE 9 JUL 1975	2. FISCAL YEAR 1979	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
5. PROJECT NUMBER P-175		6. PROJECT TITLE HADNOT POINT AREA FACILITY STUDY: ELEC & COMM MAINT SHOP (DIV)		

1. Project Purpose. This project will provide for the maintenance of the electronics and communications T/E equipment assigned to Headquarters Battalion, 2D Marine Division.

2. Current and Planned Future Workload With Regard to This Project. Duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day workweek is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.

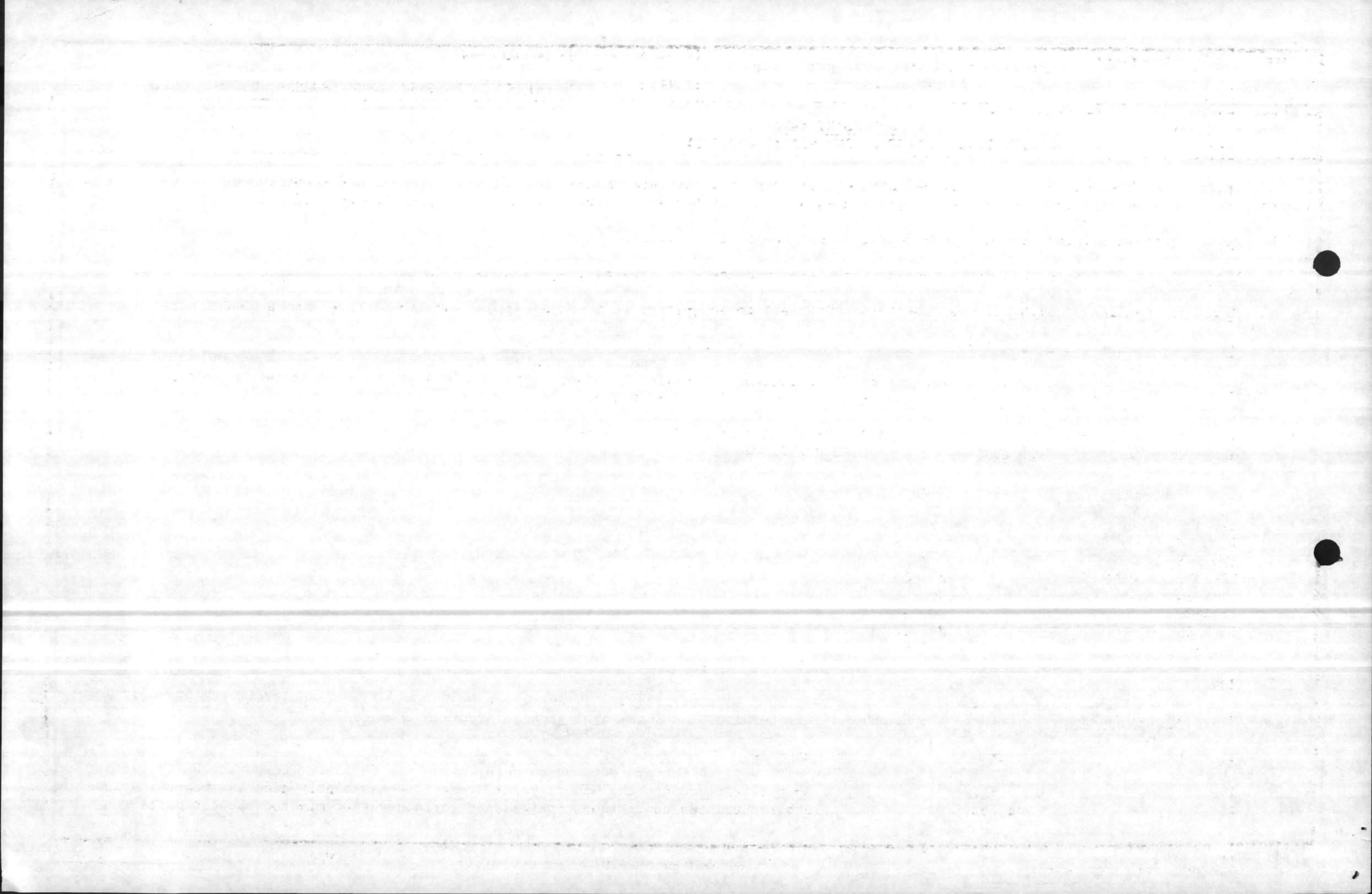
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a. Collateral Equipment (MCON Funded)

- (1) Deluge Shower w/eye wash
- (2) Acid Resistant Sink
- (3) Exhaust Hood
- (4) Pass Window, 4'0" wide, w/counter and "B" label roll-down shutter (w/fusible link)
- (5) Exhaust System, underground (generator, auto, ect.)
- (6) Water Cooler (electrical)

4. Cost Estimates. Area cost factor for Camp Lejeune is 1.00. Cost of facility is estimated by DoD 42701.36 (Sep 1974), FY 1976-1977 Military Construction Cost Review Guide. The contingency factor is 10% and the cost growth factor is computed at 10% per year with an estimated award date of 1979.

5. Justification for the Project. The proposed facility will replace the present substandard, makeshift facility (temporary WW-II, Butler-type metal building, open bay with oil space heaters and no head) located in the Hadnot Point Area. The new electronics and communications facility will provide a modern shop for first and second echelon maintenance, minor repairs, and replacement of minor component parts to the organizational T/E equipment. The following are some of the deficiencies in the existing facility:



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5. PROJECT NUMBER P-175	6. PROJECT TITLE HADNOT POINT AREA FACILITY STUDY: ELEC & COMM MAINT SHOP (DIV)
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- a. Space. Bench space is restricted, parts stockrooms and toolrooms are inadequate in space, storage and security. Office and heads, in most cases, are nonexistent. Repair areas are inadequate in that the structures were primarily built as temporary buildings in 1942-1943.
- b. Power. The facilities were constructed with a minimum of electrical power.
- c. Lighting. Lighting in most areas consists of naked incandescent bulbs hanging from the ceiling.
- d. Heating. Heating is with oil space heaters which fail to adequately heat the areas. These heaters are also a safety hazard.
- e. Parking. Parking areas are inadequate and mostly dirt, becoming mud during rainy weather.

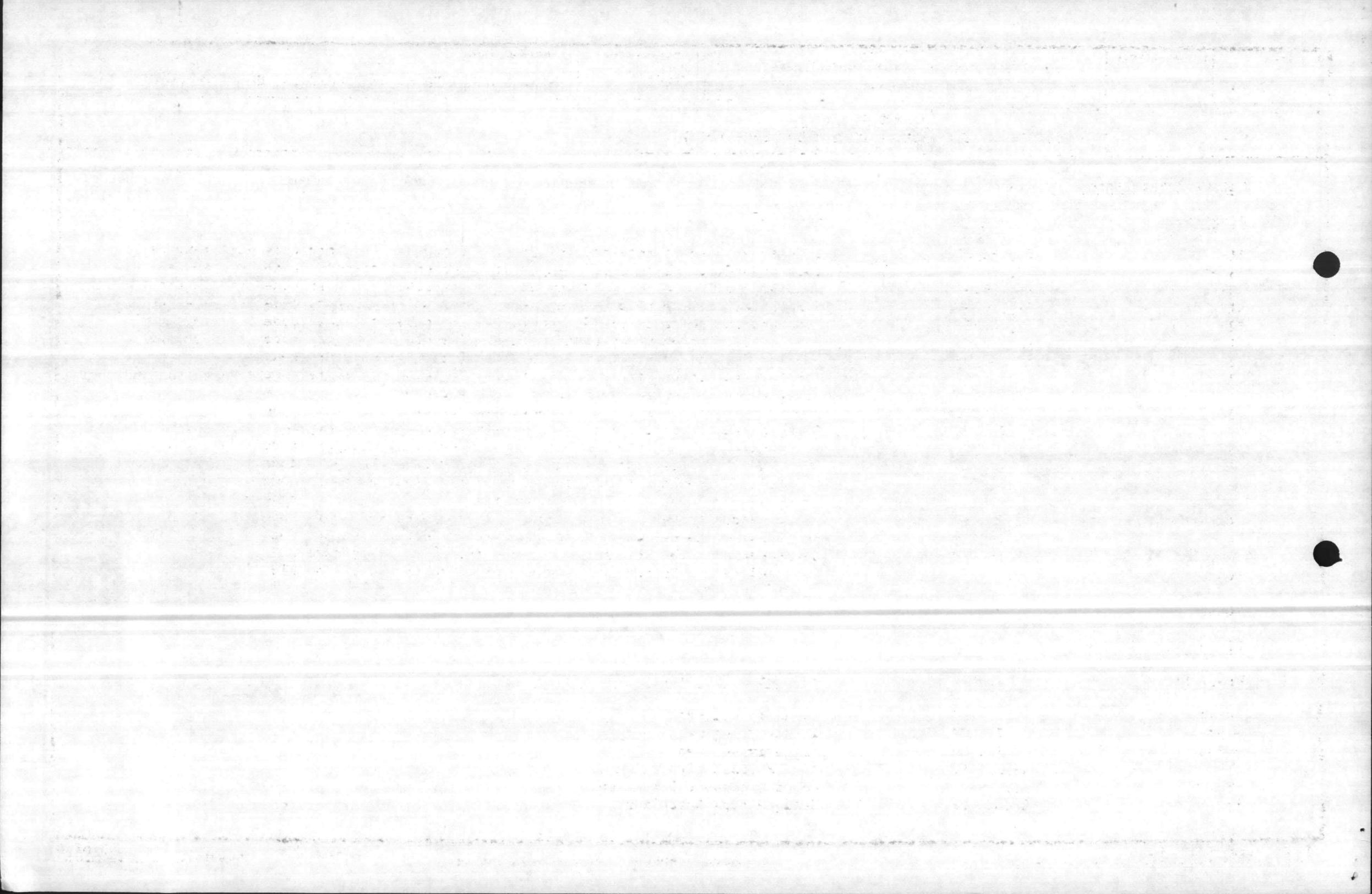
6. Justification for Scope of Project. The scope of the requested facility is based on the mission of the Headquarters Battalion and the authorized T/E approved by CMC, and approved definitive drawing #1293358 in NAVFAC P-272, Part IV.

a. BFRL Requirement (Hadnot Point Area (DA)) is 178,174 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.

<u>NAVFAC Dwg. No.</u>	<u>Area</u>
1293355	36,280 SF
1293357	8,048 SF
1293358	24,500 SF
1293359 (3 x 29,775)	89,325 SF
1293360	6,316 SF
1293366	3,300 SF
1293368	4,305 SF
1293361	6,100 SF
TOTAL	178,174 SF

b. Existing Facilities

<u>Bldg. No.</u>	<u>Area</u>	<u>Remarks</u>
100	(2,678)SF	Substandard, to be retained temporarily for other category code deficiencies.
113	(1,830)SF	Substandard, to be retained temporarily for other category code deficiencies.



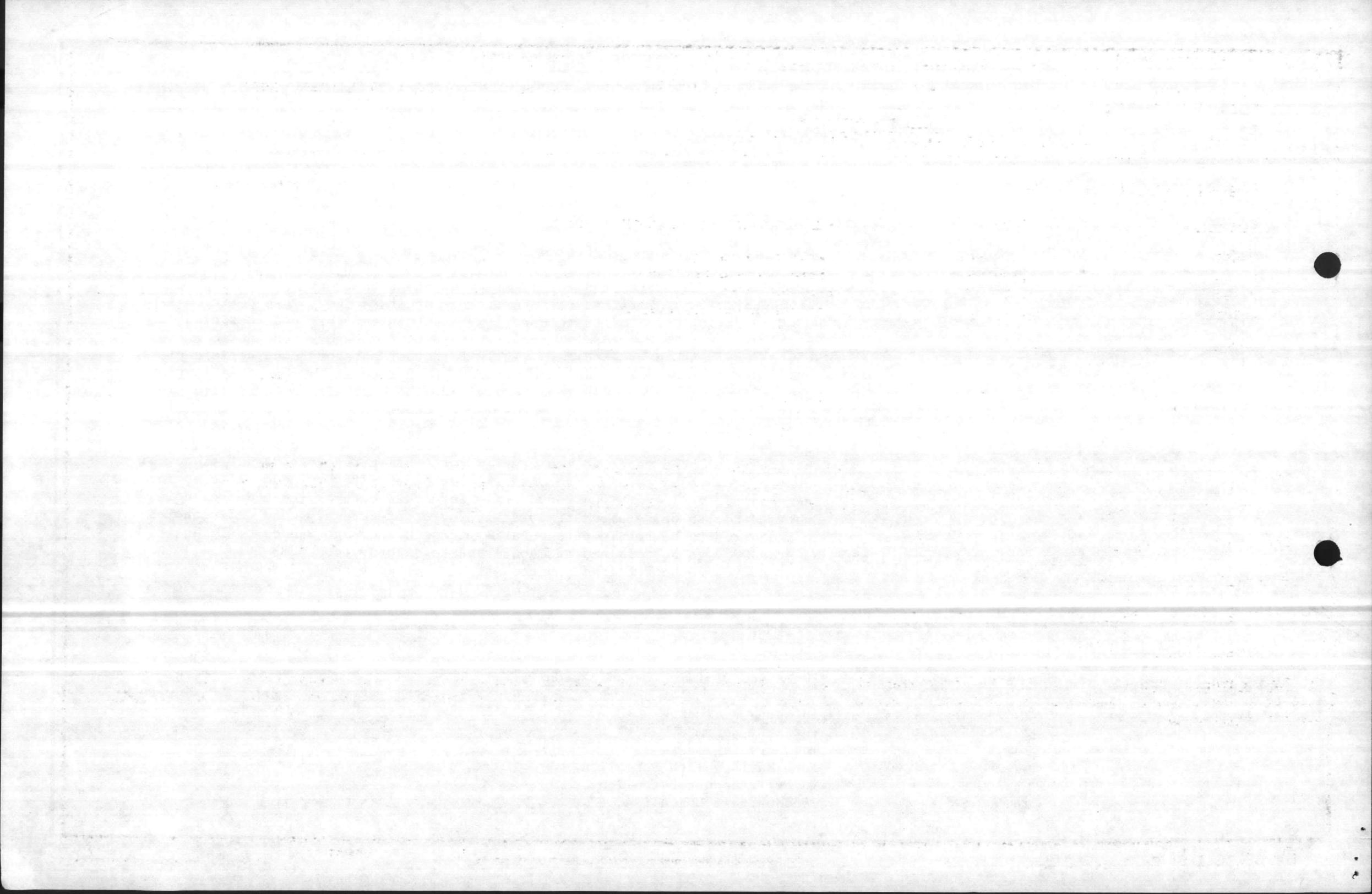
1. DATE 9 JUL 1975	2. FISCAL YEAR 1979	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
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Existing Facilities (continued)

<u>Bldg. No.</u>	<u>Area</u>	<u>Remarks</u>
218	(1,484)SF	Substandard, to be retained temporarily for other category code deficiencies.
234 ✓	(2,176)SF	Substandard, to be retained temporarily for other category code deficiencies.
505 ✓	(1,760)SF	Substandard, to be retained temporarily for other category code deficiencies.
513	(1,376)SF	Substandard, to be retained temporarily for other category code deficiencies.
525	(2,383)SF	Substandard, to be retained temporarily for other category code deficiencies.
414 ✓	(2,272)SF	Substandard, to be retained temporarily for other category code deficiencies.
129	(960)SF	Substandard, to be retained temporarily for other category code deficiencies.
134 ✓	(3,729)SF	Substandard, to be retained temporarily for other category code deficiencies.
200	(1,650)SF	Substandard, to be retained temporarily for other category code deficiencies.
329 ✓	(3,369)SF	Substandard, to be retained temporarily for other category code deficiencies.
529	(2,785)SF	Substandard, to be retained temporarily for other category code deficiencies.
530 ✓	(2,212)SF	Substandard, to be retained temporarily for other category code deficiencies.
531	(512)SF	Substandard, to be retained temporarily for other category code deficiencies.
533	(1,865)SF	Substandard, to be retained temporarily for other category code deficiencies.
441	(3,240)SF	Substandard, to be retained temporarily for other category code deficiencies.
442 ✓	(1,705)SF	Substandard, to be retained temporarily for other category code deficiencies.
444 ✓	(2,160)SF	Substandard, to be retained temporarily for other category code deficiencies.
323	(2,156)SF	Substandard, to be retained and converted to category code 833-09.
900	(4,424)SF	Substandard, to be retained and converted to category code 218-70.
TOTAL	-0-	

c. Planned Facilities

<u>Proj. No.</u>	<u>Area</u>	<u>2D Marine Division Organizations</u>
P-643	29,775 SF	Infantry Regiment
P-527	29,775 SF	Infantry Regiment
P-644	29,775 SF	Infantry Regiment
P-229	36,280 SF	10th Marines (4th Battalion)
P-229	3,300 SF	Motor Transport Battalion
P-175	24,500 SF	Headquarters Battalion



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5. PROJECT NUMBER P-175	6. PROJECT TITLE HADNOT POINT AREA FACILITY STUDY: ELEC & COMM MAINT SHOP (DIV)
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Planned Facilities (continued)

Proj. No.	Area	2D Marine Division Organizations
P-653	8,048 SF	Service Battalion
P-564	6,100 SF	Shore Party Battalion
P-565	4,305 SF	Engineer Battalion
P-569	6,316 SF	Reconnaissance Battalion
TOTAL	178,175 SF	

d. Existing Facilities	-
Planned Facilities	178,175 SF
BFRL TOTAL	178,175 SF

7. Common Support Facilities. An analysis has been made with the requesting organizations and it was determined that a mutual agreement to share a common-use facility with other 2D Marine Division units within the Hadnot Point Area was not feasible. This decision was based on the amount and type of equipment these organizations rate by T/E and the missions.

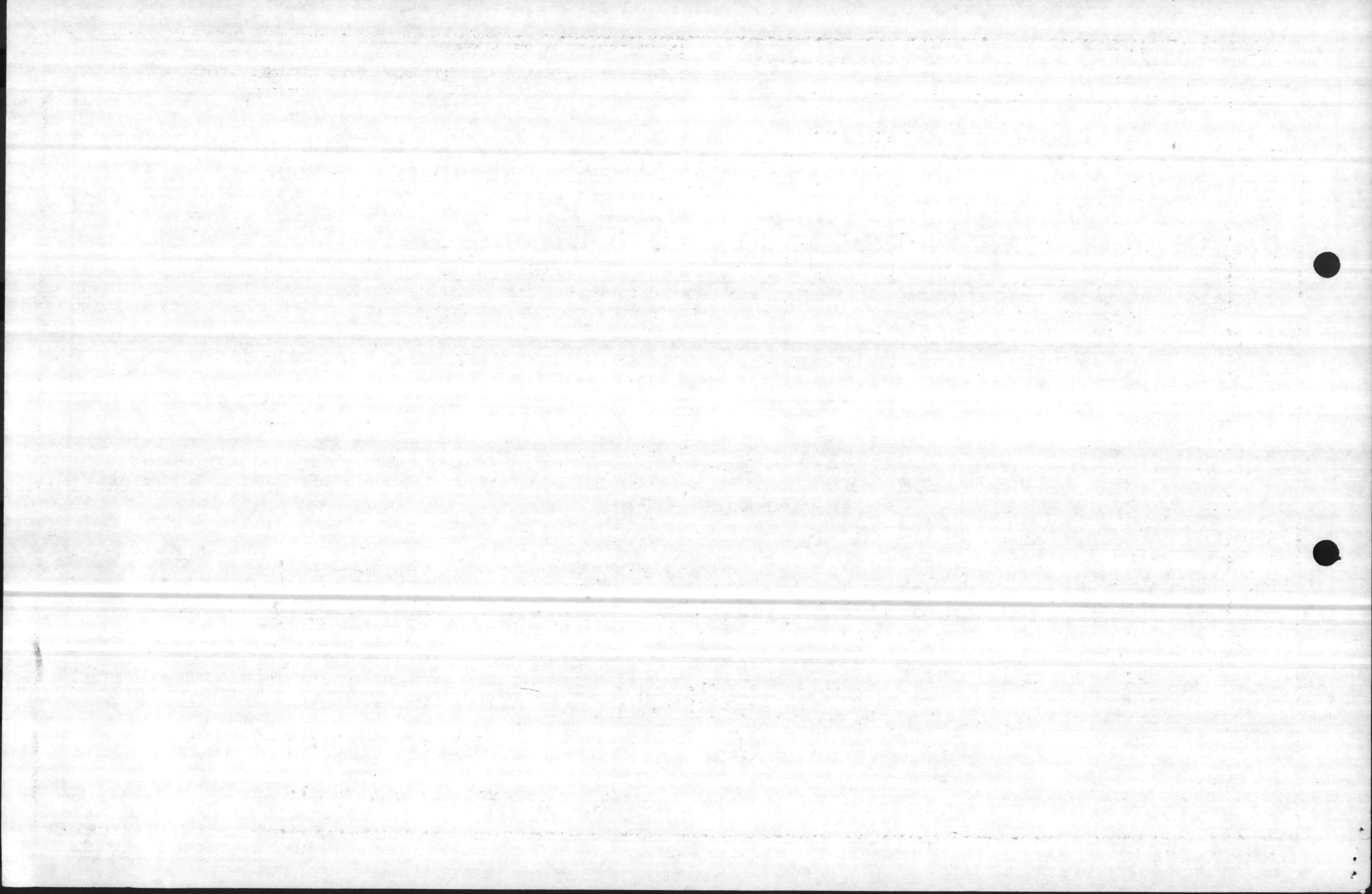
8. Effect of Other Resources. None

9. Siting of the Project. Enclosure (1)

10. Other Graphic Presentations. Enclosure (2)

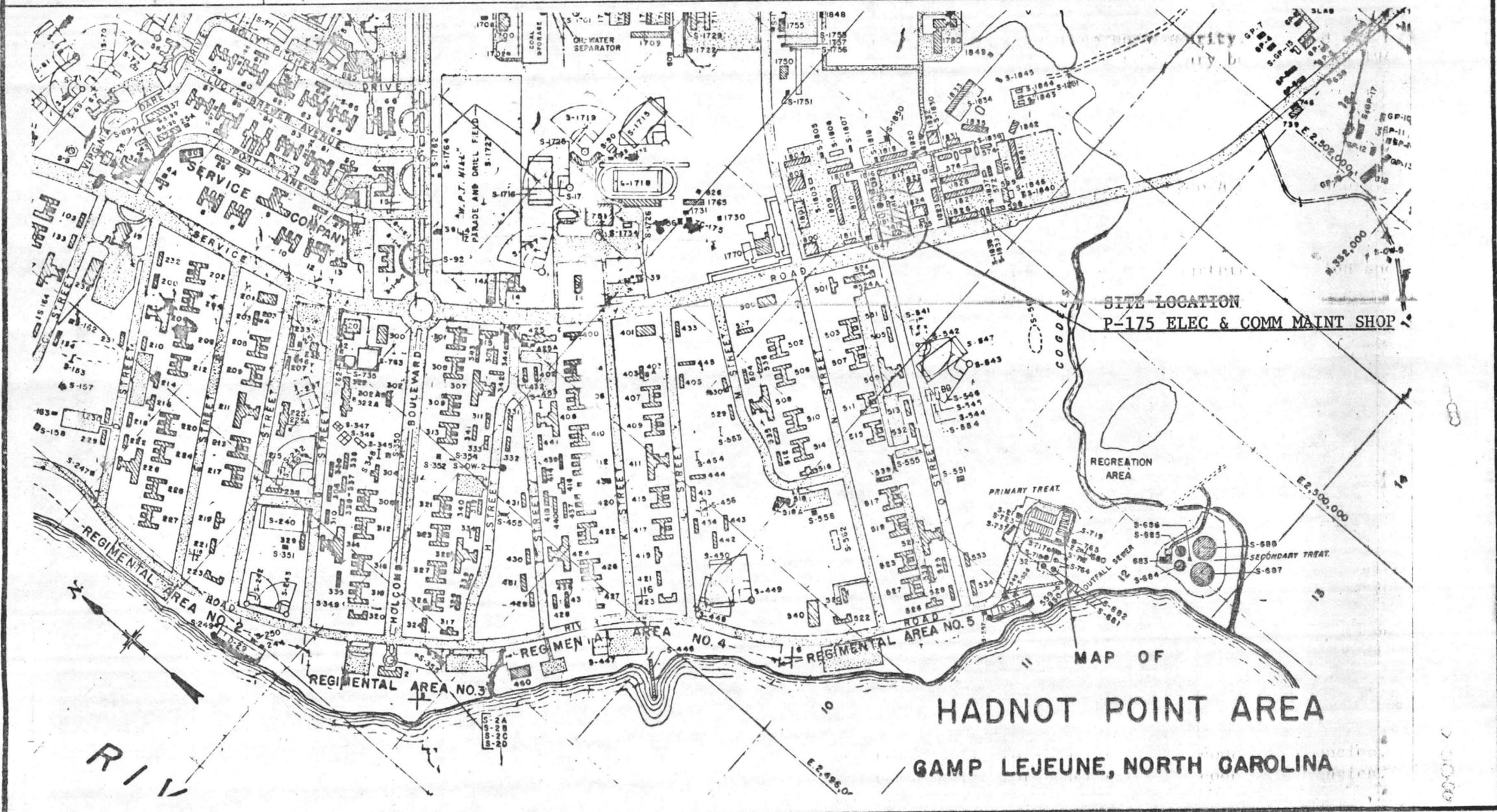
11. Economic Analysis. N/A

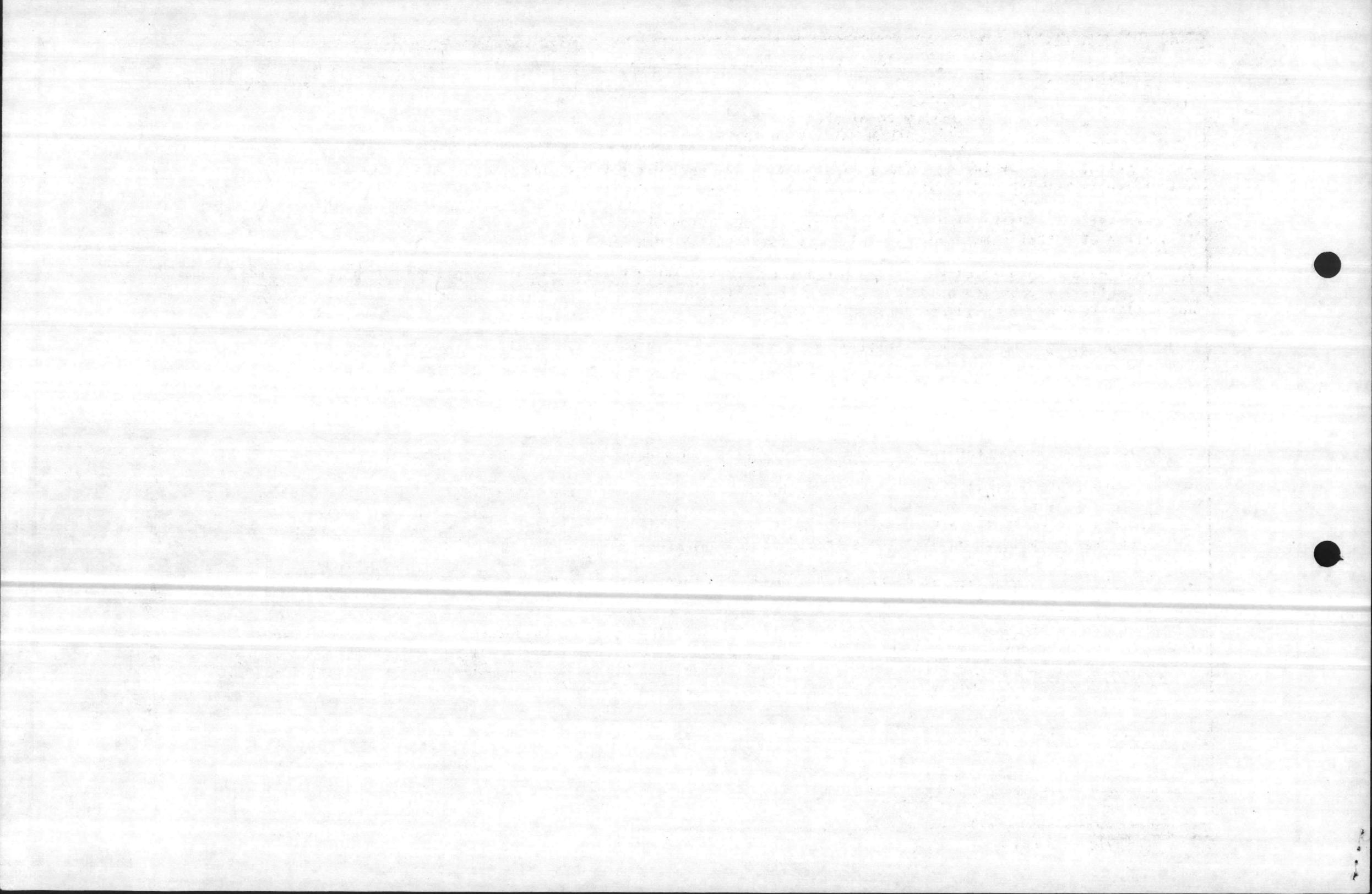
12. Environmental Impact Statement. An environmental impact assessment has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial. Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.



1. DATE 9 JUL 1975	2. FISCAL YEAR 1979	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
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5. PROJECT NUMBER P-175	6. PROJECT TITLE HADNOT POINT AREA ELEC & COMM MAINT SHOP (DIV)
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1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE
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5. LINE ITEM NUMBER P-175	6. LINE ITEM TITLE HADNOT POINT AREA ELECT/COMM MAINT SHOP (DIV)
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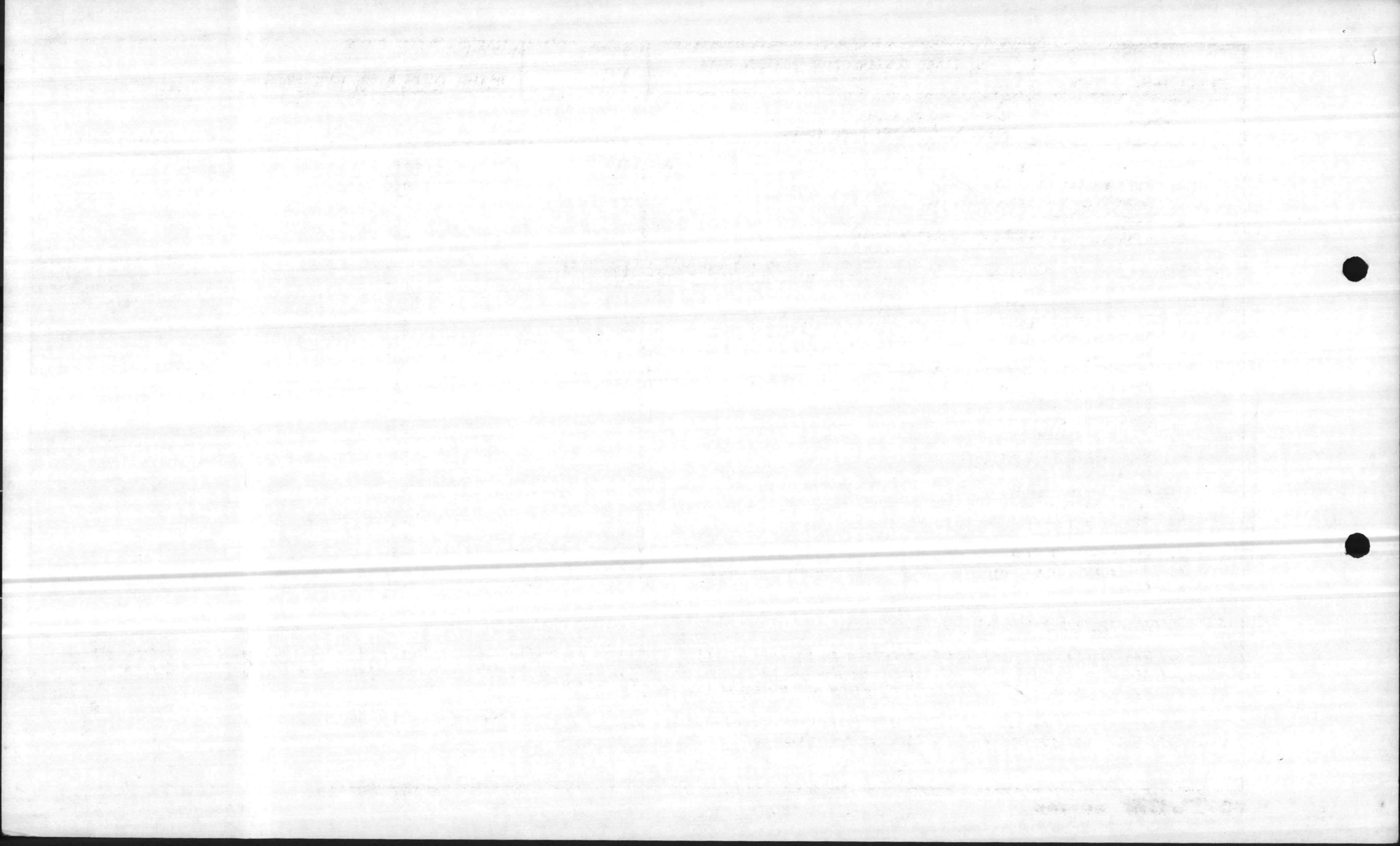
- Function to be Performed. The performance of 1st and 2d echelon maintenance on the units communication and electronics equipment as authorized by the Table of Equipment (T/E) for the unit.
- Necessity for Performing this Function. The condition of the units equipment is a command responsibility, insuring that the unit remains in a state of combat readiness. To this end, functionally adequate facilities must be provided.
- Existing and Authorized Facilities Similar to the Requested Facility That Can Be Used for Performing This Function. The 2d Marine Division has no facilities that are useable for performing this function. The following buildings presently being used are masonry type WWII buildings and Butler-type metal buildings constructed in 1942-1943.

<u>Building No.</u>	<u>Size (SF)</u>	<u>Type</u>
1707	4,554	Block, Cinder
1704	4,396	Wood
1703	4,396	Wood

- Current and Planned Future Work Load with Regard to this Function.
 - The present facilities are in use daily throughout the year. An average of 10 hours per work day for a 5-day work week is spent in the shops. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The unit is responsible for performing 1st and 2d echelon maintenance on all items of communication and electronics equipment authorized by the Table of Equipment.
 - The future workload is difficult to project at this time. However, it is expected to increase as the present equipment becomes older and new items are introduced into the system.
- Description of Construction Being Requested. The duration of the need for the facility is indefinite. The buildings shall be of steel and masonry construction with concrete floor on grade with architectural motif similar to other shops in the area. The shop shall be in accordance with the designs contained in Definitive Designs For Marine Corps Facilities NAVFAC P-272, Part Four, NAVFAC Drawing No. 1293358. Each facility should include a hard stand holding area adjacent to the facility and an 8' high chain link fence with exterior security lighting enclosing the building.

6. List of Collateral Equipment to be Included in Line Item.

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Cost</u>
a. Deluge shower w/eye wash	1	ea.	



1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE
5. LINE ITEM NUMBER P-175		6. LINE ITEM TITLE HADNOT POINT AREA ELECT/COMM MAINT SHOP (DIV)		

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Cost</u>
b. Acid resistant sink	1	ea.	
c. Underground vehicle exhaust	1	ea.	
d. Water cooler	2	ea.	
e. Exhaust hood overhead (Battery Shop)	1	ea.	

7. List of Collateral Equipment Associated With but Not Included in Line Item.

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Cost</u>
a. Benches, work portable 28"x34"x6' long	16	ea.	
b. Benches, work stationary 28" deep x 34" wide x 4' long	4	ea.	
c. Benches, work stationary 28" deep x 34" wide x 8' long	5	ea.	
d. 14" wide shelving w/adj. standards (6'Hi.)	100 LF	LF	
e. Parts bins adj. shelves 14" and 24" deep (6'Hi.)	70 LF	LF	
f. Desk D.P. FT SP	4	ea.	
g. Desk D.P. type WD	16	ea.	
h. Cabinet file 5 Dr.	8	ea.	
i. Visual Sig File cabinet	4	ea.	
j. Bookcase base	8	ea.	
k. Bookcase section	24	ea.	
l. Bookcase top	8	ea.	
m. Clothing locker	46	ea.	
n. Blackboard	2	ea.	
o. Chair swivel w/arms	4	ea.	
p. Chair swivel w/o arms	16	ea.	
q. Chair stack	50	ea.	

8. Justification for the New Facility.

a. The maintenance facility is required to provide proper maintenance facilities for the performance of 1st and 2d echelon maintenance on major items of communication/electronic equipment as authorized by the Table of Equipment. - The nature of work involves organizational maintenance, minor repair, replacement of parts and operator maintenance.

b. The present facilities were built during WWII and Korea and all are substandard. The Butler buildings and concrete block structures presently being utilized, have the following deficiencies.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT
NO. 1000

BY
J. H. GOLDSTEIN

AND
M. L. HUGGINS

CHICAGO, ILLINOIS
1950

CHICAGO, ILLINOIS
1950

1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE
5. LINE ITEM NUMBER P-175		6. LINE ITEM TITLE HADNOT POINT AREA ELECT/COMM MAINT SHOP (DIV)		
<p>(1) <u>Space</u>. Bench space is restricted, parts stock rooms and tool rooms are inadequate in space, storage and security. Office space in most cases is non-existent. Repair areas are inadequate in that the structures were primarily built as temporary buildings in 1942-1943.</p> <p>(2) <u>Power</u>. There is inadequate facilities for power transmission in the area.</p> <p>(3) <u>Lighting</u>. Lighting in most cases consist of naked incandescent bulbs hanging from the ceiling, providing inadequate lighting.</p> <p>(4) <u>Heating</u>. Heating consists of oil-space heaters which fail to adequately heat the area. The heaters also create a safety hazard.</p> <p>(5) <u>Heads and Locker Facilities</u>. In most areas, no head facilities or locker space is available.</p> <p>(6) <u>Parking</u>. Parking areas are inadequate and mostly dirt, becoming mud during rainy weather.</p> <p>9. <u>Effects if the New Facility is Not Provided</u>. The combat essential equipment deadline percentage in the 2d Marine Division is relatively high and will in all probability remain high until adequate maintenance facilities are provided.</p> <p>10. <u>Justification For the Size and Scope of the New Facility</u>. The size and scope of the facility shall be in accordance with the provisions of NAVFAC P-272 Part Four, Definitive Designs for Marine Corps Facilities, NAVFAC Drawing No. 1293358.</p> <p>11. <u>Justification For the Type of Construction Planned</u>. The duration of need for the maintenance shops is indefinite and the new construction should be compatible in style to the existing facilities within the Industrial Area.</p> <p>12. <u>Alternate Solution</u>. There is no alternate solution.</p> <p>13. <u>Status of the Preliminary Engineering</u>. NONE</p> <p>14. <u>Plans For the Facilities Being Replaced</u>. Upon the completion of the planned facility, the existing buildings will be reported to higher headquarters as no longer required and recommend they be demolished.</p> <p>15. <u>Sketch Showing Planned Location of the New Facility</u>. Enclosure (1).</p> <p>16. <u>Other Graphic Presentation</u>. NONE</p>				

1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE
5. LINE ITEM NUMBER P-175		6. LINE ITEM TITLE MILITARY CONSTRUCTION PROJECT DATA (Continued) HADNOT POINT AREA ELECT/COMM MAINT SHOP (DIV)	

17. Action. The requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. Use of air conditioning: Ceiling "U" factors will be made to conform with DoD 4270.1-M.

18. Pollution Prevention, Abatement and Control. This item will not cause any additional air or water pollution.

19. Other.

a. Basis for Requirements. These requirements are based on Definitive Drawing No. 1293358 of NAVFAC P-272, Part 4, Aug 1971, and is reflected in the Hadnot Point BFRL. The approved requirement for Headquarters Battalion is 24,500 SF. The total requirement for Hadnot Point is 178,174 SF.

b. Existing Facilities

<u>Bldg. No.</u>	<u>Area (SF)</u>	<u>Condition</u>	<u>Bldg. No.</u>	<u>Area (SF)</u>	<u>Condition</u>
100	2,678	Substandard	329	3,369	Substandard
113	1,830	Substandard	529	2,785	Substandard
218	1,484	Substandard	530	1,812	Substandard
234	2,176	Substandard	531	512	Substandard
505	1,760	Substandard	533	1,865	Substandard
513	1,376	Substandard	441	3,240	Substandard
525	2,383	Substandard	442	1,705	Substandard
414	2,272	Substandard	444	2,160	Substandard
129	960	Substandard	S-23	2,156	Substandard
134	3,729	Substandard	900	4,424	Substandard
200	1,650	Substandard			

TOTAL EXISTING FACILITIES - 46,326 SF

c. Summary of Existing Facilities

Total Requirements	--	178,174 SF
Existing	--	43,326 SF
Existing Adequate	--	0 SF
Deficiency	--	178,174 SF

UNITED STATES DEPARTMENT OF AGRICULTURE

GENERAL INVESTIGATION REPORT

NO. 1000

1917

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1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	MILITARY CONSTRUCTION PROJECT DATA <i>(Continued)</i>	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
5. LINE ITEM NUMBER P-175		6. LINE ITEM TITLE <u>HADNOT POINT AREA</u> ELECT/COMM MAINT SHOP (DIV)		

d. Satisfaction of Deficiencies

P-UNUM	29,775 SF	Marine Infantry Regiment
P-527	29,775 SF	Marine Infantry Regiment
P-528	29,775 SF	Marine Infantry Regiment
P-229	36,280 SF	4th Battalion, 10th Marines
P-531	3,300 SF	Motor Transport Battalion
P-175	24,500 SF	Headquarters Battalion
P-UNUM	8,048 SF	Service Battalion
P-564	6,100 SF	Shore Party Battalion
P-565	4,305 SF	Engineer Battalion
P-569	6,316 SF	Reconnaissance Battalion

TOTAL -- 178,174 SF

e. Disposition of Vacated Facilities. Building 1812 will be demolished for P-175. The disposition of the remainder of the existing facilities will be determined at an appropriate time.

1. DATE 23 OCT 1974	2. FISCAL YEAR 1978	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
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5. PROJECT NUMBER P-175	6. PROJECT TITLE HADNOT POINT AREA ELECT/COMM MAINT SHOP (DIV)
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